proposed that a full report should be submitted only every third your, statistical returns, with brief explanatory statements, being forwarded in the intermediate years.

5. The following statement shows in detail the reports submitted to this Government and the manner in which it is proposed to deal with them:—

Statement showing the several Reports deat' with by the Government of Bengal, together with the methods of treatment proposed for them.

Department of the Beneal Government in which dealt with	Nubject	Pr whom submitted	Whether submitted to the server mond of India and if any to what Department	Ras olumi istlai jouv	Remarks
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Ditto	Working of the Indian Companies Act VI of 1882	Ikito ditto	Department of Finance and Commerce.	explanatory notes by submitted	
Ditto	Alipore Be formatory School 4	Vice-President of the Board of Mana- gers through the Impactor Gamini	Not submitted	No change proposed,	
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No. 28-1579-95.

Extract from the Proceedings of the Government of India, in the Home Department, (Public),-under date Simla, the 15th July 1857.

RLAD the undermentioned papers-

Home Department Resolution No. 1 dated 12th August 1885.

From the Government of Madras, No. 182C., dated 12th June 1886, and each sures. From the Government of Midris, No. 15th, dated 12th July 1850, and each sures. From the Government of Bombay, No. 1960, dated 13th, March 1880, and cachesties. From the Government of Bombay, No. 1960, dated 22nd March 1886, and cachesties. From the Government of Bombay, No. 1960, dated 22nd March 1886, and cachesties.

From the Government of Bengal, No. 634 -20 Mes, dated 19th Pebruary 1881, and enclosures From the Government of Bengal, No. 1529 F. R. atted 35 I November 1886, and enclosure. From the Government of Bengal, No. 3593, dated 36th December 1886.
From the Government of Bengal, No. 121, dated 3rd Innuary 1887.
From the Government of the November 1886.

From the Government of the North Western Provinces and Outh, No. 111 2813 dated 11th Feb-

rnary 1856, and one losure

From the Chief Commissioner of the Central Provinces, No. 2001, dated 19th September 1885,

From the Chal Commissioner of Burma, No 539-148N, dated 25th September 1885, and

enclosure

From the Cluef Commissioner of As am. No. 5283, dated 27th August 1895 From the Cluef Commissioner of Corg. No. 1997, dated 19th September 1885 From the Resident at Hyderaliul, No. 1812, dated 22nd January 1886, and enclosures.

RESOLUTION .- The subject of discussion in the papers ented in the preamble is the preparation and printing of annual departmental reports submitted to the Government of India in the Home Department. In a letter No 3928, dated the 22nd June 1885, the Government of the Punjab solutted a reconsideration of the whole question of the preparation and treatment of a mual reports so far as that Province was concerned. The alterations suggested by Sir Charles Aitchison and the views provisionally held by the Government of India on the question are summarised in Home Department Resolution of the 12th August 1885. But as the subject was not one of merely local importance, the Governor-General m Council desired, before coming to a final decision, to have a full expression of the opinions of Lord Governments and Administrations upon the proposals of the Punjah Governm nt, so far as they affected the reports which are submitted to the Home Department. The replies from Local Governments and Administrations, read in the preamble, certain their opinions on the matter.

2. The proposals of the Punjab Government were made with the double object (1) of removing the burden thrown upon district officers, heads of departments, and Secretariat establishments in connection with the preparation and reviewing of annual reports; and (2) of reducing the cost of printing the reports. These proposals have not been accepted in full by any Local (Lovornment or Administration, except by the Chief Commissioner of Burma; and Mr. Conthwaite, the present Chief Commissioner of that Province, holds, as his reply from the Central Provinces shows, different views from those held by Sir Charles Bernard. The Governments of Madras, Bombay, and Bengal have to some extent accepted the proposals in question, and the Chief Commissioner of Coorg has expressed his opinion generally in favour of having statistical tables, accompanied by notes, for two years, and in the third year a set of comprehensive departmental reports.

3. The most adverse criticism of the proposals made by the Punjab Government proceeds from the Government of the North-Western Provinces and Oudh, from the Administrations of the Central Provinces and of Assam, and from the Resident at Hyderabad. The Licutenant-Governor of the North-Western Provinces and Chief Commissioner of Oudh is of opinion that the presentation of evidence of departmental efficiency, and the collection, in a convenient form, of information useful for administrative and other purposes, cannot be secured under a system of triennial reporting with intermediate statistical tables and brief explanatory notes. He considers that, as was suggested in paragraph 7 of Home Department Resolution of 12th August 1885, the brief notes would probably be of little practical value while the triennial report would necessarily be profix and involve much labour in its preparation. The latter, moreover, would be four years old

before the orders of Government could be passed or and subsequent action taken upon it. Sir A. Lyall observes that the labour of scrutinizing statistics is little augmented by that of writing a report on them, and that a careful scrutiny and comparison of past and present returns is a necessary part of the duty of the heads of departments in administrating. But, wille opposed to the general adoption of the proposals of the Punjib Government, Sir A. Lyall would meet them to some extent by doing away with reports on certain subjects and by substituting for them statistical tables accompanied every year by a brief commentary in the form of notes, such as is now supplied by the Local High Courts of judicature in reviewing the Criminal and Civil Justice returns.

4. Mr Crosthwaite, at the time (hief Commissioner of the Central Provinces, concurs in the views of the Government of the North- Western Provinces and Oudh in regard to the small amount of labour required to write a report, when once the relevant statistics have been systematically studied. He remarks that the system of writing reports in useful, masmuch as it cosures that statistics have been scrutimised, and that it enables the Government to see how much care and intelligence have been devoted to this scritting Reports, moreover, in Mr. Crosthwaite's opinion, enable administrative offi ers to periodically survey the whole of their work and to judge of the effects of it, while they assist Government in seeing how far the recognised principles of administration have been applied and how far errors require to be corrected. If for annual reports triennial reports were substituted, there is, he thinks, likely to be the disadvantage that the officer who had done the work would not ordinarily write the report, or, if he did, that his recollection of the facts regarding which he was writing would have grown dim with time. Under such a system, too, errors of administration could not be corrected at once. Mr Crosshwaite admits that reports and reviews are often unnecessarily prolix, and should be curtailed, and he suggests that the extended distribution of reports which at present prevails is unnecessary and expensive. He also deprecates the style of review which merely repeats, in other and perhaps fewer words, what is stated in the report

The Officiating Chief Commissioner of Assam considers that the proposals of the Punjab Government are unsuitable to that I'rovince, and would lead to serious practical inconvenience Mr. Ward is of opinion that the value of reports to departmental officers would be lost by tricumal reports, while the labour of compiling the latter would be very great, particularly to officers who had held their charges only for a small portion of the

three years.

The Resident at Hyderahad doubts if the proposed reform would have an useful offect, and argues that the review of the year's transactions by the heid of the Government affords an incentive to work. Praise or blame, in the Resident's opinion, loses its effect if it relates to a time long passed away. The officer concerned may have left the locality, and it does not always happen that an officer remains at his post for the whole three years

for which he would have to write the report.

The opinions briefly sammarized above confirm the view taken by the Government of India in the Home Department, as expressed in the Resolution of the 12th August 1885, that it was not possible to go as far as was proposed by the Punjab Government in the direction of curtailing the preparation and submission of annual reports After giving the subject full consideration, the Government of India agrees in the main with the remarks made by the Government of the North-Western Provinces and Oudh and the present Chief Commissioner of Burma, regarding the usefulness of annual reports as a me ins of testing departmental efficiency and the judgment and energy of officers, and also of checking and correcting administrative mistakes. Applying this principle, the Governor-General to Council is of opinion that annual reports must be maintained in the two following cases —

(a) Where the reports deal with the application of administrative principles still

open to modification or the concrete working of which has to be watched.

(b) Where the reports contain statistics which, for administrative purposes, must be complied and examined annually.

These two heads comprise so many of the reports now falling under the cognizince of the Home Department that the conclusion to which His Excellency in Council has come is that, beyond insisting on brevity and methodical arrangement in the reports themselves and on curtailment of reviews of them, it is impossible to afford much relief to Local Governments in the direction contamplated by this enquiry. The Government of India therefore desires that the reports deals with in the Home Department should from 1887 onwards be treated in the following manner;-

(i) To be submitted annually as heretofore-Report on General Administration.

Municipal Administration.

Local Boards' Administration. 23

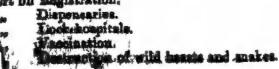
Education. 99 Sanitation 17

Civil and Criminal Justice.

75 Jeil Administration. Police Administration.

Lunatic Asylums. (ii) To be submitted in full every third year, statistical returns and brief com-

montarios in the shape of notes being submitted in the intermediate years-Reputt on Bagistration.



The notes to be submitted with the statistical returns in the years intermediate between the submission of the reports should give a clear, though brief, indication of the supervising or controlling officer's opinion as to the significance of the statistics.

6. The following special reports should continue to be submitted as before:-

Chemical Examiner's Report.

Report on Calcutta Medical Institutions Report of the Port Health Officer, Calentta.

Report of the Commissioners of the Town of Calcutta.

Report on Publications under Act XXV of 1867.

The Review of Publications.

The Report on Vernacular Papers.

The Government of India leaves to Local Governments, who submit reports on Legal Affairs and Criminal Tribes, discretion to determine whether these reports shall be annually prepared as at present or prepared every third year, with brief notes in the intermediate

The Governor-General in Council would desire to express his earnest hope that Local Governments and Administrations will insist on curtailment of reports to the utmost extent which is consistent with a proper examination of the facts and figures presented in them. A reduction in the size of the reports on Juls, Police Education, and Sanitation is e-perially necessary. In most provinces these reports have become far too discursive.

Compression of reviews is not less called for than curtailment of reports: a review

should contain only what is necessary to communicate the judgment of the reviewing authority regarding the salient features of the report. The Governor General in Council attaches no value to reviews which merciy repeat in abridged form what is set forth in the report

reviewed.

8. While thus recognising the need which exists for compression in the reports and reviews which reach the Government of India, His Excellency in Council is no less desirous that the same punciples should be e refully followed as regards reports received by Local Governments and Administrations, but not forwarded to the Government of India. He fears that the time of administrative and executive officers is annecessarily occupied as much by the preparation of reports and returns submitted for the information of the local authorities as by the proporation of those which reach the Government of India. He has therefore observed with setisfaction that the Government of Bengal has recontly, in connection with the report of the Salarus Commission, directed its attention to this aspect of the case, and he trusts that all other Local Governments and Administrations will exercise a vigorous discretion not only in reducing the bulk of the reports and roturns which are retained, but also in abulishing those that are not really required.

Older - Oldered that a copy of this Resolution be firwarded to all Local Governments and Administrations for information and guidance, and that a copy he forwarded to the other Departments of the Government of India for information and further necessary

action, and that it be published in the Supplement to the Gazette of India.

[True I vtract]

A P. MICDONNELL, Secretary to the Government of Intra-

No. 1117, date | Simla, the 23rd August 1987

RESOLUTION -- By the Government of India, Department of Figuree and Commerce.

READ the underment med papers-

From the (revernment of the Punja'), No 3018, dated the 22nd June 1885, and enclosures. R solution in the Home D perment, No 11 com dated the 12th August 1885.

the dar letter to all Local Governments (except the Punjab), No. 2000, dated the 28th August 1825

From the Chief Commissioner of Assam, No 5603, dated the 25th September 1885, and enclosure. From the Chief Commissioner of Coorg. No. 1120, dated the 29th September 1885, and enclosures. From the Chief Commissioner of British Burma, No. 687-148N, dated the 30th September 1885. and enclosures

From the Chief Commissioner of the Central Provinces, No 3847A, dated the 19th September 1885 and enclosure

From the large ent at Hyderabad, No 21G, dated the 28th January 1886, and enclosures.

From the Government of the North-Western Provinces and Oudh, No. 1800 | 181-783, dated the 13th

February 1986 and enclosures

From the Government of Bombay, No. 992, dated the 13th March 1886.

From the Government of Madras, No. 442B, dated the 14th June 1886, and enclosures.

From the Government of Madras, No. 1456, dated the 12th July 1886, and enclosures.

From the Government of Bengal, No. 1514T R, dated the 3rd November 1886, and enclosures.

From the Government of Bengal, No. 2708, dated the 30th December 1886.

Resolution in the Home Department, No. 1516-1517 R. 1516-1518 Acted the 15th July 1887.

RESOLUTION .- The remarks and orders contained in the Resolution of the Home Department of 15th July above quoted, which are confined to reports furnished to that

Department, seem to apply equally to the annual Customs. \* Opium. reports upon subjects administered in this Depart-Minte. ment. The general opinion of the Local Govern-Stamps, Joint-Stock Companies. ments who were consulted on the subject in

bearing on revenue matters. The administration of Provincial revenue is left so minds

the hands of Local Governments, and they are also financially so greatly interested therein, that it is not, in the opinion of the Government of India, expedient to restrict the Provincial authorities with respect to the information they may consider it desirable to collect and to place on record regarding them.

2. In the case of Opium and Salt Administration Reports, the fiscal interests involved are of such great importance that, even if the fullest information were not necessary for the purposes of the Local Governments, annual reports would be required by the Government of India in order to enable it to watch the administration of the revenue. These reports should therefore be as full as possible without being prolix, and should be furnished to the Government of India annually as at present.

3. As regards the reports on Stamps, the Governor-General in Council has no objection to their being prepared and submitted triennially by any Local Government which considers this sufficient. Statistical information only would in this case be submitted in the intermediate years. The reports on the External Land Trade may also be submitted trionnially in the same way, the monthly statistics of the trade being transmitted to this Department as at present.

4. The remarks contained in paragraph 5 of the Home Department's Resolution on the necessity of methodical arrangement are specially applicable to the reports submitted to this Department. In reports bearing on revenue matters and trade, comparisons with past years are of special value; but these are rendered difficult unless a systematic arrangement is observed in the subjects dealt with.

5. The Excise reports should in all cases be prefixed by a concise description (which may be repeated from year to year) of the various systems on which the excise is administered in the province concerned, and the extent to which each system applies. There is necessarily in such matters much diversity of practice, and the value of the reports is occasionally diminished by the use of technical terms, whose precise signification is little known beyond the limits of the province, and is often different in different provinces.

Ordered that a copy of this Resolution be forwarded to all Local Governments and Administrations and to the Heads of Departments under the Department of Finance and Commerce for information.

## Circular No. $\frac{52G}{69-6}$ .

Extract from the Proceedings of the Government of India, in the Revenue and Agricultival Department (General), under date Simla, the 14th September 1887.

READ the undermentioned papers relating to the curtailment of annual reports :-

- Circular to Local Governments and Administrations, No. 6/24-1, dated the 21st January 1886.
   From the Government of Madras, No. 482A., dated the 14th tune 1886. 1456, 12th July 1886. February 1886.
- (9) From the Government of Punjah, No. 408, dated the 10th September 1886, 10) ... 1068, ... 19th May 1887.
- 31 (11) To the Government of Punjah, No. 482 dated the 2nd June 1887.
- (12) From the Chief Commissioner, Central Provinces, No. 564, dated the 27th July 1886.
  (13) From the Chief Commissioner, Burma, No. 395—58R., dated the 17th March 1886.
  (14) From the Chief Commissioner, Assam, No. 1192, dated the 22nd Vebruary 1886.
  (15) Resident at Hyderabad, No. 63G., dated the 5th March 1886.
- (16) Resolution recorded in the Home Department, No. 1579-107, dated the 15th July 1887.

RESOLUTION.—This Resolution may be considered as supplementary to that issued in the Home Department, No. 28, dated 15th July 1887, the general principles expressed in which mey be applied to reports submitted to the Government of India, in the Revenue and Agricultural Department. The reports thus submitted are concerned with the subjects enumerated below-

- Land Revenue Administration.
   Forest Administration.
- (3) Land Records and Agriculture.
- (4) Court of Wards and other estates administered by Government.
- (5) Horticultural and Botanical Gardens.
- (6) Experimental Farms.
- (7) Trade Statistics, Quarterly and Annual.
- (8) Colonial and inland Emigration.
- 2. The Government of India concurs with the general opinion expressed in the replies which have been received that no material alteration should be made in the preparation of the Land Revenue Administration and Forest Administration Reports, and that these should continue, as at present, to be annuelly submitted.

8. Report of the Department of Land Records and Agriculture. - The annual publication in every Province of the Report of the Department of Land Records and Agriculture

in the form prescribed in Circular Resolution No. 54A., dated the 28th April 1884, is, in the opinion of His Excellency in Council, essential for the purpose of indicating the progress which may be annually made by the Department of Land Records and Agriculture in connection with the measures adopted in pursuance of the recommendation of the Familie Commissioners in each portion of the Empire. The report consists of two main divisions-Land Records and Agriculture-and is designed to show the executive work of the Department, not to comprise discussions on administrative measures or to contain any description or summary of the economic or agricultural circumstances of the season. The Local Government may, however, require information of this kind to be submitted by the Department to the Chief Revenue authorities of the Province, for utilization in preparing the Land Revenue Administration Report, and may prefer that for that purpose it should be included in the Land Record section of the Departmental Report, rather than be submitted by independent communication. There will be no objection to this course. But there seems to be no reason why statistical statements concerning crops, irrigation, tenures, &c., should find a place in the Report of the Department as well as in the Annual Land Revenue Administration Report, to which latter they should, in the opinion of His Excellency in Council, be confined. The Agricultural section of the Departmental Report should be restricted to an account of the executive operations of the departmental officers, and to a brief description of, or reference to, any results of apenual interest which may have been obtained during the preceding twelve months, whether in farms, gardens, Government estates, or otherwise, but should avoid lengthy discussions on agricultural subjects, and need not contain any detailed examination of the working of gardens, farms, or other agricultural institutions, which should be dealt with in the Department by orders on the annual reports. In accordance with the above remarks, His Excellency in Council is of opinion that no other review of the Annual Report of the Director of the Department of Land Records and Agriculture than that which may be included in the review by the Local Government of the Land Revenue Administration Report is necessary; and that it will suffice if a copy of the Report, together with any orders which may be passed thereon, is submitted for the information of the Government of India.

4. Report on Court of Wards and other estates administered by Government.—Much importance is attached by Her Majesty's Secretary of State, as well as by His Excellency in Council, to the manner in which estates under Government management are administered, and to the use made of the opportunities afforded by them for ascertaining the economic condition of the agricultural population. Reports on such estates should, in the opinion of the Government of India, continue to be annually prepared. These, and not the reports of the Department of Land Records and Agriculture, should contain an account of any

agricultural improvements that may have been introduced.

5. Annual Reports on Horticultural and Botanical Gardens.—These may, as already indicated, be dealt with departmentally, and need not, in the opinion of the Government of India, be reviewed at length by any higher authority than the Director of the Department of Land Records and Agriculture, or other controlling officer, but should be forwarded to the Government of India for information, with a copy of any orders that may have been passed on them by the Local Government. A representation recently received through the Secretary of State from the authorities at Kew, as to the unity of such reports, indicates the advisability of their maintenance as a record of useful or interesting facts and experiments

6. Reports on Experimental Farms are divided into two sections—Statistical and Administrative. The former are issued yearly or half-yearly, and should, under existing orders, be distributed by Departments of Land Records and Agriculture direct to the Government of India, other provinces, and agricultural institutions. They should continue to be prepared, but require no review or orders by the Local Government. The complete reports, including the Administrative section, will be dealt with in the same manner as reports on gardens.

7. Internal Trade Statistics.—The quarterly and annual returns are, under existing orders, distributed and briefly reviewed by the Department of Land Records and Agriculture, or by such other authority as may be responsible for them. In future the annual report on Internal trade may, in the opinion of His Excellency in Council, be dealt with in the same manner as reports on Sea-borne trade; and no further review will

be required from Local Governments and Administrations.

8. Reports on Colomal and Inland Emigration should be retained in their present form.

Orders.—Ordered that a copy of this Resolution be forwarded to the Local Madras.

Madras.

Bombas.

Bengal.

North-Western Provinces.

North-Western Provinces and Oudb.

Punjab, Central Provinces.

Barma.

Assani Assani Hyderabad.

Lion.

Ordered also that it be published in the Supplement to the Gazette of India.

[True Extract.]

### RESOLUTION ON THE ADMINISTRATION REPORT OF THE CALCUTTA MUNICIPAL CORPORATION FOR THE YEAR 1886-87.

#### MUNICIPAL DEPARTMENT-MUNICIPAL.

Calcutta, the 19th January 1888.

#### RESOLUTION.

#### READ-

The Administration Report of the Calcutta Municipal Corporation for the year 1886-87. Read again-

The Report for 1885-86, and the Resolution recorded upon it.

The Report which has been submitted shows that the Commissioners have during the year taken great interest in the duties entrusted to them. In paragraph 4 is given a table showing the attendance of the Commissioners at the different meetings held. The average attendance at meetings of those invited to attend was 48.6 per cent. as against 50.5 per cent. last year. At General and Town Council meetings there was a slight improvement (59.3 and 49 per cent. as against 58.8 and 48 per cent. last year), while there was a slight decrease in the attendance at Committees and Sub-Committees (366 per cent. as against 41.1 per cent). It is no doubt at these last that the hardest work is done; but to ascertain the real and great improvement which has taken place it is necessary only to compare the report criticised by Sir Ashley Eden in 1880 with that now placed before Government. This, in Sir Steuart Bayley's opinion, promises well for the manner in which the heavier duties connected with the larger area of the Suburbs and the Town will be performed.

2. The revenue receipts and expenditure are shown under three heads-General Fund, Water-rate, and Lighting-rate. The total income was Rs. 30,01,636 and the expenditure was Rs. 29,96,189. In paragraph 72 it is stated that the administration of the License Department, the receipts of which go to the General Fund, has been far from satisfactory during the year. The Lieutenant-Governor desires to be informed what action the Commissioners have taken on the points indicated in that and the next succeeding paragraph. From the General Fund a sum of Rs. 1,36,779 was expended on the "cleansing and structural improvement of bustees." Under the head Lighting-rate there was an excess of expenditure over receipts of nearly 11s. 30,000. Rather more than half of this was due to the illumination for the Jubilee of Her Majesty. But if this item be excluded, it still appears doubtful whether the normal expenditure will not prove to be in excess of the income. This fund closed the year with a deficit of Rs. 6,880. The Police-rate Fund and other special funds do not call for any remark.

3. Sanction was accorded to raising a loan of Rs. 26,25,000. Of this, however, Rs. 8,75,000 was for the purpose of repaying the 6 per cent. loan of 1866, and the net liability of the Corporation was increased by only about thirteen lakes during the year. At the close of the year this liability amounted to Rs. 1,69,12,035. The capital expenditure, exclusive of sums sport on brokerage, discount, and repayment of loans, amounted to Rs. 10,76,787, and was distributed as follows:-

				Rs.
Drainage	***		***	1,58,343
Water supply		441	***	7,58,141
Town and bustee improvement	10.0	***	***	1,53,974
Jora Bagan bustee improvement	141		***	6,329
	,	Total		10,76,787

The heads of expenditure noticed in the last paragraph indicate the chief directions of activity during the year, and considerable progress has been made. The special drainage works undertaken during the year were the drainage of Hastings, the drainage of the Bang Bazar area, and the sewering of a portion of the Mahratta Ditch. Sixteen tanks were filled up during the year and twenty-two were being filled up; while at the same time twenty-eight more bathing-platforms were brought into use. On the cleansing and structural improvement of bustees, the total expenditure amounted to Rs. 2,17,554. Of 59 bustees taken in hand by the Commissioners, 16 have now been thoroughly dealt with. Before the close of the year the improvements in four others were approaching completion, and those in five others had been commenced. The expenditure incurred on this account is shown in a new abstract account which has been opened of the receipts and disbursements of the Town and Bustee Improvement Capital Account, and to this account have been transferred the sums set apart in the General Fund account for expenditure on Town and Bustee Improvement. The results are creditable, and the Lieutenant-Governor trusts that the Commissioners will continue to direct their attention to this very important subject.

5. A very interesting case was brought to notice by the Health Officer in his report for the quarter ending 31st March 1857, in which there was reason to believe that the occurrence of an outbreak of cholera on board a vessel in the port was connected with the circumstance that the milk supplied to some of the crew was adulterated by the vendor with water from a polluted tank situated in Howrah. It was found that immediately before the outbreak in the vessel there was a case of cholera in a house on the bank of the tank, and that this was followed by several others. The attention of the

Commissioners of the Howrah Municipality will be drawn to the ease.

As an appendix to the Report is printed the Report of the Health Officer of the Corporation, which is not inferior in interest to any which has yet been submitted. He has continued the enquiry into the causes which facilitate the spread of cholera with energy; and, apart from its scientific interest, this enquiry, which discloses a very bad state of things in the bustees and most thickly populated portions of the town, indicates with sufficient definiteness the directions in which action is urgently required. The care and minuteness with which the enquiry has been conducted are sufficiently shown by the maps and diagrams which accompany the Report. The conclusions to which the Health Officer has come are that there has been a recent increase in the mortality from cholera, and that, coincident with this increase, and most marked where the increase has been greatest, there have been a growing scarcity of water, extension of drainage unaccompanied with sufficient flushing and cleansing, and insufficient conservancy and nuisance removal. The Commissioners do not wholly endorse the conclusions of their Health Officer. They contest the statement that there has been a growing scarcity of water, and they point out that the mortality from cholera fell before the introduction of the water-supply, and that the death-rate is greatest simply where the population is densest; while they refer to the researches of Dr. Simpson's predecessors as showing that the mortality in Calcutta rises and falls with that in the neighbouring districts, and that the explanation of the recrudescence of cholera noticed by Dr. Simpson must be sought for in wider and more general causes than those indicated

of his Report on Cholera. It is that the return to a higher death-rate in Calcutta compared with previous years means that the sanitary work has not kept pace with the requirements of the town. The proof of the deterioration, as distinguished from the specific causes assigned for it, which have been mentioned in the preceding paragraph, is given in paragraph 32 of that Report. In the table given in that paragraph, a comparison is made of the absolute numbers of deaths in Calcutta, in Howrah, and in the Suburbs. Two periods of four years each are selected for comparison, the numbers of deaths in the three places are compared, and the results are reduced to the form of a ratie. It is shown that in the second of those periods, as compared with the first, the ratios which the numbers of deaths in Howrah and in the Suburbs bear to the numbers of deaths in Calcutta have diminished. It is inferred from this that either the sanitation of the two former places has improved, or that of Calcutta has grown worse; it is argued that there has been no improvement in Howrah or in the Suburbs; and the final conclusion is thus reached. In the second of the two periods

selected there was no increase in the aggregate numbers of deaths in Howrah and the Suburbs; so that the comparison made does afford some grounds' for the first conclusion arrived at, that either these places have improved or Calcutta has grown worse. But the method of comparison adopted is likely to mislead. The population of Calcutta is greater than that of the Suburbs, while the absolute number of deaths from cholera in Calcutta is less It is obvious therefore that an identical increase in the rate of mortality will make the absolute number of deaths more nearly equal, and this error is intensified when the results are shown in the form of ratios. Thus, if the deaths in Calcutt and in the Suburbs increased by precisely the same number, the ratio, which is the basis of the comparison, would approach more nearly to equality, whereas really the rate of increase in Calcutta would have been much less because it has a larger population. A similar objection applies to the compuison with Howrah.

8. A more suitable basis for comparison is the mean death-rates in the different areas in consecutive periods. A comparison of the quinquennual mean death-rates of the years 1875 to 1880, with those of the years 1881 to 1885, shows that the mean doublinate of Calcutta increased from 3.1 to 4.5, that of Howish from 4.6 to 61, and that of the Suburba from 7.4 to 8.4. The increase was therefore less in Calcutta than in Howish, and greater in Calcutta than in the Suburbs. It is important to observe also that this increase in the mean death-rate is not peculiar to the places mentioned, but is shown by the second diagram facing page 10 of the Health Officer's report for 1885 to have taken place also in the neighbouring districts. These facts appear to the Lieutenant-Governor to justify the opinion of the late Health Officer of Calcutta, in which the Commissioners concurred, that the increase is to be attributed to wider and more general causes, than local insanitation.

9. At page 11 of the Health Officer's Report on Cholera a diagram is given showing the rates of mortality in Calcutta, Howrah and the Suburbs, and, in support of his argument that Calcutta has retrograded, the Health Officer points out that the rise both in the Suburbs and in Howrah during the last quinquennium is not greater than the height reached in them in some of the years of the previous decade, while the rise in Calcutta attained a greater height than it had attained in the previous ten years. It appears to the Lieutenant-Governor that the facts scarcely support this conclusion. An inspection of the diagram shows that the death-rates exhibit great differences, that of Calcutta remaining the lowest and increasing the least other words, the superior sanitary condition of Calcutta keeps the disease more under control.

10. While, however, the Lieutenant-Governor agrees with the Council sioners that the arguments adduced by the Health Officer are not sufficient to establish the fact of positive retrogression in the sanitary state of Calentta, they are certainly sufficiently serious to demand the most careful and vigitant action of the Commissioners to remedy the defects complimed of The question is not whether the increase of cholera in Calcutt 1 is due to deterior ation of sanitary efficiency compared with that of past years, but whether the defects pointed out do or do not exist, and what measures the Commissioners are prepared to take to remedy them. The Health Officer cleuly shows that where the insanitary conditions indicated by him are most marked, there also the increase of mortality is most noticeable; and though his computative inferences may be combated, his statement of existing facts is scarcely suffi-ciently met by the remarks in the Commissioners' Report The Commissioners point to the report of their Engineer as showing that the supply of filtered water is greater than it has ever been before, and contend that filtered water is now within the reach of all. The Health Officer, in paragraph 19, page 6, of his report on the distribution of cholera during the past ten years' admitted the increase, but he showed how, notwith tanding this, it would be erroneous to infer that more water was everywhe e and for all classes available. Yet this is the inference on which the Commissioners rely. The specific statements which Dr. Simpson makes are the results of his own personal observations, and they do not bear out the Commissioners' conclusions. The scarcity may be due to preventible waste, or it may be due to causes at present unknown; but the Lieutenant-Governor considers 134

that the matter is one which calls for thorough investigation, and he hopes that the Commissioners will cause such an investigation to be The second point to which the Health Officer draws attention is the insufficient provision for cleansing drains in narrow streets. As regards this the Commissioners refer to the increased supply of unfiltered water; but this reply is open to the same objection—that it misses the special point in issue. It is not mecessary inference from this fact that the particular drains referred to by the Health Officer are properly cleansed; while, on the other hand, it should be remembered that in this case also the conclusions of the Health Officer are based on actual inspections made by him. With reference to the third cause assigned by the Health Officer-insufficient conservancy and nuisance removal—the Commissioners give figures showing the increase in the amount of subbish removed from the Town. In paragraph 153 of the Report, however, the increase in the year 1886-87 is attributed partly to the fact that only a few tanks are now available for filling with rubbish; and as the number of cart-loads disposed of in this manner in each year is not given, it is impossible to say what weight ought to be attached to these figures. The Lieutenant-Governor trusts that these questions will receive the early and earnest attention of the Commissioners.

11. The Lieutenant-Governor desires to thank the Commissioners for their services and the interest shown by them in the affairs of the Municipality during the year. The Hon'ble Sir Henry Harrison was Chairman of the Corporation, Baboo Gopal Lal Mitter, Vice-Chairman, and Mr. Robert Turnbull, Secretary, throughout the year. The Commissioners close their report with a well merited encomium of the excellent service rendered to the Corporation by their Secretary, Mr. Robert Turnbull. Mr. Turnbull is about to retire upon a special pension which the Commissioners have granted him in recognition of the attention, courtesy and assiduous devotion to duty displayed by him during many years. The Lieutenant-Governor has much pleasure in endorsing the judgment of the Commissioners, and in testifying to the high esteem in which Mr. Turnbull has been held both by the Government and by the public.

By order of the Lieutenant-Governor of Bongal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 21st January 1888

No	•	District and retur			Ramfall at Sudder Station in inches	Character of the weather and atate and prospects of the crops
EN	GAL					<del>-</del>
	İ	Western 1	Districta		ļ	
1	1	Burdwan,	Jan 21,	468	Nıl	Weather-sensonable, and cooler than last week. Prospects fruibe crops for
	3	Bankoora	,, 21,	'88	Nil	Prices statemary Weather - zero on the Rubber of partheone - Su weather is being out an
	8	Be or bhoom	,, 21,	'88	Mil	pressed a 12 anna outturn expett I for industry on ty. Weather—sessonable annermes cloudy during little patricel the week. The short of puddy centing a sugarcine is being cut to esta hooleastly. Proceedings.
	4	Midnapur	,, 21,	'88	Nil	Weather-cool Rubbs and boro promise well
ij	5	Houghly	<sub>o</sub> 21,	,98	Nil	Weather-colland hight Propects of crops continue good Rice silling a
\		Howrab	_ 21,		Nil	form 144 to 16 sees per rupe Weather selem and cold Harvesting of amun and sugar and continues
		Contral 1	Dustricli			
ſ	6	24 Perglis	Jan 21,	'88	Nil	Weather-sonsonable, cool and cloudy at times. Hervesting of amun near
1	7	Nuddea	,, 21,	'88	Nil	Westher seasonable on the whole Sugarana and rades doing well thing
	8	Khnolna	a. 21,	'88	Arl	Weather-seasonable Harvisting of amun still continues. Winter cre-
	9	Lagure	,, 21,	'88	Fit 4	dump well Worther sensorable Harvesting of amoun nearly completed frospects
1	10	Moorshedabsd	" <i>2</i> 1,	88	Nil	winter crops not very good for west of run Weather - seasonable Harvesting of aman continues, onefurn good Rab
		•	. •	,		crobe bromssud arll
ſ	n	Dinagepur	Jan 21,	'88	Nil	Weather seasonable Harvesting of winter rec still continue Prospec
١	12	ដូចន្រូវនេស្សិន	,, 21,	'88	Nil	(1 standing crops go it. Rec. 21 ecosyre rep.). Weather-seasonable. Cold weather crops it may finity well. Sugarcane
	13	Rungpur	., 21,	'88	N1	being cut  Weather—dry Amen is still himg hirelyted. Gathering of mustard hi  comminced. Lead is being prepared for any. Projects of tobaco so  pulses good.
* (	14	Bogra	, 21	'88	Nil	Weather-sensonals. Cold weather crops promet well. Hirvisting f amore nearly over
WALLES OF THE PARTY OF THE PART	15	Pabna	, 21,	'88	Nil	Weather- fine and colder Prospects of crop go d
4	16	  Darjeeling	,, 21,	88	Nil	Weather-cloudy State and prospects of crops good Run wanted
1	17	àulpigoron	,, 21,	88	Ail	Weather -cold, cloudy at times. Harvesting if what it is a small and outtoin to twilve cames. Rubbs crips dim, well is a station may
		Easter 16	Districts.			
DACCA DIVISION	18	Ducca,	Jan 91,	88	Nil	Weather—cold Boro pally ling plinted Rulls repeding well Sin winter rain would be seen such a dd in paralle in manthematical for places.
	19	Furro dpur	., 21,	<b>18</b> 1	Nil	Weather-seasonable (ropedong will verywhire
70	20	Backergunge	" <u>2</u> 1,	181	Nil	Weather-scason ibi Prospects of crops g od
	21	Mym. nangh	,, 23,	181	Nıl	Weather-very cold blute and prospects of craps continue good
	23	Chittagong	<b>Jan 24</b> ,		Ì	Weather-cold Winter crops promise well Precessitely  Weather-season by Resping of assess nearly fansised Rubbe crops done
	28	Nonkholly	" 20	, '8		3mol1
TONE TA	24	Tipperuk	" 19	, 8	8 Nil	Weather—dry and cold Harcest mg of amus paddy and swing if boro pade finished Outtorn of amus generally good I'r spects i rubby cree excellent. A little rain access accessary. Cutting of sugarcance still progress.
BEITZARONG DIVE.	26	Chittagong B Tracts	61° "13	7, '8	N:1	Weather -colder than ever from about 10 PM to 10 AM Heavy morning for continue Bright and sunshing during daytime Mustard and other cold-weather or ps doing well. Pressing of augus me has commenced Weather -gresson ably odd. Mustard chilics and sugar are doing well. For

	No.		and date of urn.	Bia:	infull Sudder tion in chem	Obstacter of the weather and state and prospects of the crops.
BI	RHAR					
	√ 26	Petna	Jan. 21,	'88	Nil	Weather—very cold and pleasant. Threshing of pad ly approaching completion, Poppy plants doing well. Prospects of rabbs crops fair; but rain wanted. Prices now stationary.
	27	Gya	,. 21,	188	Nil	Weather-cold. Harvesting of paddy nearly finished. It is being threshed. Rubbi crops in tol-rably good condition. Poppy progressing on.
Ė	28	Shahabad	,, 21,	188	Nil	Weather - very cold and occasionally cloudy. State of rubbs crops continue
PATE DIVE.	29	Derbhungs	<b>= 2</b> 1.	188	Nıt	satisfactors, but rain badly wanted. Prospects of poppy very good.  Weather clouds, very cold. Rubbs crops continue promising, but want rain.  Wheat, barley and rahar mear. Poppy is doing well. Tobacco me being harvested. Prices distinguish.
ā		Mozufferpur	,, 21,	188	Nil	Weather-cold. Prospects of rubbi and poppy fair, but rain wanted for
	81	Saras	,, 21,	*88	Nil	both. Weather—cloudy for last few days, but no rain. Prospects of all crops good
	\ <b></b>	Сһишрелип	,. 21,	'88 1	Nil	Weather—cold and cloudy. Threshing of aghani nearly completed. Poppy flowering in places. Prospects of right crops look favourable. A shower of rain would do good both to rabbs and poppy.
	/ 83	Monghyr	Jan. 21,	*88 T	Nil	Weather-very cold with westerly wind generally Prospects of rubbi and
ŕ	34	Bhegulpur	. 21,	<b>'88</b> 1	Nil	poppy crops continue promising West wind. Winter rice has been all respect.
Du	185	Purneah	_ 21,	'85 I	Nii	Rubbs crops promise well. Rain wanted. Weather—clear and cold. Winter crops doing well.
RAGULPORE DIVE.	\$h	Maldah	_ 21	*89 1	NII	Weather—cold and fine. Harvesting of winter rice nearly completed with good cutturn. Prospects of spring crops good except in the far north-west, where insects have done some damage. Aslan and mustard are still being reaped with good outlier. Common rice selling at an average of 23t seers.
•	87 #	Southal Pergh	y. <u>21,</u>	88 1	Ni)	per ruper Weather—seasonable. Prospects of winter crops continue good, theugh rain is wanted in the Rajmehal sub-division. Pulses are being reaped in parts of the distinct.
OR	1884.					
DIVE.	84	Cuttack Poorce Balasore	Jan 20,	'ar N	sa	Weather—sensonable and foir Reaping of sarad rice nearly completed Prospect of dalks rice good. Whest and cotton doing well Price of common rice varies from 194 to 21 sects per super so town.
BISSA ]	84	Pooree	, 19, °	88 N	(i)	Weather—seasonable. Harvesting of late sared cro, nearly finished. Dalactop doing well. Common one 21 seers 3 chatanks per rapse in the Sudder sub-division and 25 seers 12 chittacks in the Khaarda sub-division.
U	40	Bulasore	= 20, '	'88 N	Sil	Weather- cool and fair. Hervesting of sarad paddy nearly completed.  Rubbs crops are being gathered. Sugarcane is being pressed. Prospects of dates rice and other crops good.
CH	OTA 1	NAGPORE.				
	South	.West Fronties	Agency.	-		
RE MIVE.		Ansaribagh,	Jan 20, *		iii	Weather - bright and cold. Prospects of rubbi crops remain unaltered. More run wanted for these crops. Poppy is thriving and has commenced to flower; prospects fair. Sugarcane is being cut and pressed; outturn expected to be about 14 against. Cattle-discuss has abouted.
1910	4.8	Lobardugga	,, 21, 1	88  N	· [	Weather -very cold. Late rain has done much good to rubbi crops. No change in prices
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	43	Singhhoom	_ 20, *	88 N	fa   '	Weather - bright and cold. Rubbi not doing well for want of rain. Supercane, obsects and rahar being reaped; a 10 to 12-anna outturn expected.
CHOTA MASTORE	44	Manbhoom	,, 21, '	98 N	fit   '	Weather for and cold. Prospects of cold-weather crops fair. Mustard is being respect, outturn below the average. New goor 8 to 10 seems per supec. Rice 20 to 24 seems per rupec.

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 24th January 1888.

P. Nolan, Secy. to the Gost. of Bengal.

PRICES-CURRENT (HETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15th JANUARY 1888.

## DETOES OTTO PENT (estail) of Food-grains, Piremood and Salt in the

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				W	K II A	<b></b>		į		Ba	BLET.			1	io:	n, m1	IPŽ	SORT.		Rı	cil, (	om:	MON	٠	Jown (Sorg)	n on Ci lum Fu	HOLVH <i>ige</i> ra)
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	BENGAL.		_	_	~																						
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A In sub-divisions retail prices of salt per rupes were:—Caina 12 seers, Cutwa 18 seers and Banesgunge 18th seers.

B At Bishenpore retail price of salt 12 seers per rupes.

C At Rampore list retail prices of salt per rupes were:—Tumback 11 seers and Chatal 13th seers.

D in sub-divisions retail prices of salt per rupes were:—Strampore 12th seers, and dehanabad 12th seers.

E in sub-divisions retail prices of salt per rupes were:—Baraset and lum-Dum 12 seers, Bussishad 18 seers, Diamond Market (Kulpinat) 11 seers and Barrackpure 12th seers.

G In sub-divisions retail prices of salt per rupes were:—Kocahtee 13th seers, Meherpore 18 seems, and Checadanga and Banesh

<sup>134</sup> seem. H ln sub-divisions retail prices of salt per rupes were -- Satishira 114 seem and Sagurhat 21 seem.

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AVERAGE WAGES PER MONTH.

## Read-quarter station Bazars of the Districts of Bengal on the 15th January 1888

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in sub-divisions retail prices of salt per rupes were:—Jamidah, Nasail and Bongong 12 soors and Magura 10; seers.

In sub-divisions retail prices of salt persupes were:—Jungspore in seers and Kandi 12; seers.

At Thekangan setail prices of salt 12 seers per rupes.

In sub-divisions retail prices of salt 12 seers per rupes.

At Sweigungs retail price of salt 12 seers per rupes.

At Subjects retail price of salt 12 seers per rupes.

At Follows is allowed sub-division retail price if salt 15 seers per rupes.

At Follows is allowed sub-division retail price if salt 15 seers per rupes.

In sub-division stall prices of salt per rupes were:—Manickgangs 11 seers, Moonebeegungs 10; seers and Marsingulat 131, seers is division stall prices of salt per rupes were:—Manickgangs 11 seers, Perusepore 11 seers.

In sub-division stall prices of salt per rupes were:—Patuaklishi P.4. seers, Perusepore 11 seers.

In sub-division stall prices of salt per rupes were:—Eighorgungs 13; seers, Asses 15 seers, James pore 10; seers, Superpore

PRICES-CUBBENT (retail) of Food-grains, Firewood and Salt in the Head quarter

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S At Cor's Baser retail price of salt 11 seems per rupes.

T At such gaches in Feury sub-division retail price of salt 10 seems per rupes.

U In sub-divisions retail prices of salt per rupes were:—Bhabitah 11 seems, Bazer 19; seems and Semenam 18; seems.

V At Mathubani retail prices of salt 11 seems per rupes.

X At methals retail prices of salt 11 seems per rupes.

X At methals retail price of salt 11 seems per rupes.

Published for general information.

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## Station Bazars of the Districts of Bengal on the 15th January 1888 -(concluded.)

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At Beginsrai retail price of salt 11 seems per rupes.

At Bauke and Mudehpoors retail price of salt 11 seems per rupes.

In sub-divisions retail prices of salt per rupes were: - Kish-ugungs 10 seems and Arraroah (at Ramegungs) 113 seems.

In sub-divisions retail prices of salt per rupes were: - Deoghur 124 seems, tajuschal and Pakour 12 seems, and siedda 11 seems.

At Benddruck retail price of salt 94 seems per rupes.

At Civid retail price of salt 114 seems per rupes.

At Aphalfonguage in Falamow sab-sivision retail price of salt 115 seems per rupes.

At Gerindport retail price of salt 11 seems per rupes.

## PRICES-CURKENT (wholesale) of Food-grains, Firewood, and Salt m. Mg

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CALUETTA,

The 24th January 1888

## PRICES PERMAUND

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<b>8. 4. ₽</b> .	R.a.p	R. A.P.	R. A.P	R. A.P.	R A.P
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ndermentioned Marts of Bengal on the 15th January 1888.

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Published for general information.

P. Nolan, Secy to the Govt of Bengal.

## Meteorological Report of the Province of Ben

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Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 20th of January 1888.

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miagich)	District	M1% 1 grops,	Securday, 34th January,	Sunday, 15th January,	Tonday, 1010 January.	Paceday, 17th	Vennesday, 19th January,	Thursday, 25th	Protest 20th January.	Number of tainy days.	March 1621	Total rame full since 181 of 191 of	Average (min) rain- tal) from tal, of pointh.	Total rain- full since 15th May 1847.	ratulal) from [8] May 186 to date
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Statement of Rainfall in Bengal for the week ending Friday (6 m.p.), the 20th of January 1888.—concid

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Calourta, the 24th January 1888.

# TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 20th OF JANUARY 1888.

The weather during the past week has again been uniformly fine over the greater part of the province, and except in parts of Behar and North Bengal skies have been practically cloudless throughout this period. Along the line of the hills as represented by the observations at Darjeeling, skies have been heavily clouded throughout the week, and about the 16th skies began to cloud over at some of the stations in the plains near the foot of the hills. Those conditions were probably the result of the casterly movement of a slight barometric depression which had formed over Northern India at the close of the previous week, but the depression was apparently of a slight nature and rapidly filled up in its advance. It appears probable, however, that the depression must have given a fall of snow along the Himalayas, though with the exception of a few drops of rain reported from several stations, no measure. able falls of rain have been reported at any of the stations in either North Bengal or Behar. In Chatia Nagpur at Hazaribagh on the 18th, and in Orissa at Dhurmsalla in the Cuttack district on the 17th instant light showers have fallen, but with these exceptions the whole province was rainless throughout the week. Winds have generally been light at the majority of stations, and in several instances calms were reported during the earlier days of the week, but the wind directions on the whole have been fairly steady from the north and north-west. Throughout the week therefore the cold-weather conditions in Bengal have been well marked and have been very fully developed.

Barometer.—During the previous week a steady and prolonged fall of pressure had taken place, but at the beginning of the present week a slight increase of pressure commenced, which has continued almost uninterruptedly during the week, though on the 17th and 20th slight falls were reported at some stations. Nevertheless the average pressure for the province has been slightly in defect of the normal, and taking into consideration only those stations which have recorded observations for meseries of years, the mean pressure for the week for the whole province has been 0.014 inch in defect. The defect is again largest in the northern districts, such as North Bengal and North Behar.

Temperature and Humidity.—Humidity was decidedly low at the commencement of the week, but it then generally increased and remained moderately high till the close of the week, when it again began to falt. The variations of temperature have also been somewhat similar, and temperature was low on the 14th, and it then rose slowly at the majority of stations for the greater part of the week, but on the 20th it had again commenced to fall. Compared with the normal, the mean temperature of the province for the week has been 1.3° in defect of the normal, and this defect is very equally distributed, except in the case of South Behar, where it has been somewhat less than 1°.

The variations of the average temperature during the week from the normal can be seen from the following table, where the average maximum, minimum and mean temperatures at nine typical stations in different districts in the province are given compared with the normal means for the same period. It will be seen that the defects from the normal have been largest in the night or minimum temperatures, for the mean maximum or day temperature of the nine stations has been 0.4° in defect of the normal, while the mean minimum or night temperature has been 2.2° in defect of the normal:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 20th January 1888.

	Normal, mear muxi- mear muxi- mean fem- perature for the weak anding 20th January,	perature for the week	actual four- pendition	Normal mean mini- mum tem- porature for the work ending 20th January.	penting for the week	nemal lempera	Normal mean daily tempera- ture for the week ending 20th January.	Actual mean thirty famperus fame for the west ending 2015 Junuary 1883.	Ricosson debet or the netter netteral contemps tipe tastic the mental ment.
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Ramfall.—As before stated, one or two slight showers only of no importance have been registered.

The following table gives the summary of the temperature and rainfall data of each of the seven metrorological divisions of the province for the week suding Friday, the 20th of January 1888.

		1	BHPB	LATUR	a.					à	ATE P	AL.				
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Мэтконогодисав Виченоку,	Highert observed during	Lowest observed duting	of highest of each day.	of lowest of each day.	Of mean for each day.	trerage mean of week a	Average	Yormal average	Faristion	Average gambes of	Normal average num-	Yariation	Average.	Warmal average.	φ v orm go,	Normal ave age
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Best Bengal	79.6	45.1	76.5	50 5	63.6	-17	Mil	0 ¢8	0 08	0.0	0 :	02	NE	0.30	\$5 50	74 43
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bouth Behar .	79 5	42.9	71.0	J <sub>2</sub> O	B1 6	_j ×	Nic	0.16	-016	0.0	03	-0 S	0.06	6.31	41.89	49 NG
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<sup>\*</sup> Ohyennass not meladed.

MATROROLOGICAL OFFICE, BRNGAL.

A. PEDLER,

The 24th January 1868

Offa Verenraingscal Reporter to the Gast, of Bengal

Results of the Thermometrical Observations taken at the Meteorological Office. Chowringhee, from 15th to 21st January 1888.

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<u>M</u> (1)47\$22	Date	Mean.	10 to 10 to	Ranke	Minimum.	Yean wet bulb	lapour tennion	Daw point,	Hamblity.	Rain
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January	15th luth 17th 14th 19th Juth 21st	65 2 66 0 67 0 67 5 66 3 64 4 61 1	78 9 89 1 79 9 80 1 77 9 75 1 74 5	25 0 27 4 35 6 21 2 24 6 21 2 25 0	50 9 52 2 53 9 85 9 65 3 61 0 48 2	67 3 68 6 69 61 1 67 8 64 8 67 9	866 396 410 454 368 304 413	50 3 52 5 58 4 56 3 50 6 45 4	58 62 61 67 57 51 76	Na **

The mean temperature of the seven days The extreme variation of temperature	***	***	65.4
The maximum temperature		•	80-1
The mean relative humidity	***	***	62 Inches,
The total fall of ram from 15th to 21st Januar	ry 1888	***	Nil.

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the burveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

JOHN BLIOT,

The 23rd Junuary 1885.

Offg. Meteorological Reporter to the Goot, of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st January 1888.

<del>خوان</del>			of bright	barometer	1	OMPAI	ATUSH			Hreno	Marey		WIND,			
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н	17tb	128 3	95	29 999	643	77 7	25 0	5 <b>2</b> 7	67 4	382	51 5	60     60	N by W and WNW	90	"	Clear,
<b>"</b> , '	18th	120 5	9 & 	30 014	84.9	776	22.7	519	58 4	·408	59.3	69	WNW, N and calm	27		Chieffy clear,
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L	20th	125 0	95	018	623	7s i	19.0	511	53 7	*305	45 4	56	NE and color	<b>5</b> 2	P.1	Cless
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7	l'he a l'he te l'he a	verage otal is verage	e fali all fro e fall	rain front of the of the of the of	corres o 21s corres	pondi t Jau pondi	ng pe nary	riod ( 1888 riod (	lor 24 for 24	year year	s, S.	G.'s	5 S H	 	Inch No 0.00 No 0.17 and The	1. 5 1

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are varified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the suces, and are suspended four feet

above the ground.

The barometer restings are corrected approximately to those of the standard Newman's No. 56, formetly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Metocrological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Mantion's anemograph.

The mouth of the rain-gauge is one foot above the ground.

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JOHN E1.10T,

Offg. Meteorological Reporter to the Goot, of India.

PROPOGRAMONE OFFICE, GOVE, OF INDIA; male, the State Farmery 1988.

#### MEMORANDUM.

Tue chief features in the mortnary statistics of the districts in Bengal, for the month of November 1887, deduced from the table annexed to this memorandum, are—

1. That the deaths of 147,957 persons were registered out of a population of 66,163,884 in these districts, presenting a death-rate of 26.76 per 1,000 per annum, against 24.48 per 1,000 in the preceding month, and 32.04 per 1,000 during the corresponding month of 1886, indicating, as compared with the former period, a tair advance in the registration of deaths, and that of the latter period, a great retrogression.

2. That the highest casualty-rates were returned from the following districts :-

Districts		Districts.			
4.500	Ratio per				Ratio exe milli
Maldah Murshidabad Nadder Rapshahye Dinaipur Monghye	 53 64 46 11 44 88 43 08 40 08	Bogra Bhagul pur 21-Pergunnahs Purneah Khulna Pubna	44 • 4 544	***	31 20 33 00 32 55 32 64 32 28 30 36
Rungpur Backergunge Julpaiguri Birbhum	38 16 36 72 36 36 36 12	Puri Hazaribagh Jessore	414	***	29 10 29 28 <b>2</b> 9 01

3. That referring to the meidence of the specific death-causes mentioned in the table given below, it is seen that cholers and fover prevailed with considerably less fatality during the month under notice as compared with the results of the corresponding month of the preceding year, and that the death-rates from the other diseases exhibited only fractional variations:—

						ille doring—
					November 1887.	November 1889
Cholera	***		40,	100	148	2 88
Small-pox	н		1 = 1	149	*()2	03
Fever	4.6	**	***		2(+48)	21 (0)
Bowel-complaints	1 80		44=		.72	*96
Injury	0.14	***	***	144	•12	*21
Other onnses		444		1 = 4	3:60	3.72

4. That the following districts returned the highest death-rates per 1,000 of population from the above-mentioned diseases, excepting small-pox, bowel complaints, and injury, which do not appear to have presented any local severity:—

Cholera.	Fiver	Other causes	
Cholera.  Ratio per male 4 09 Rala sore 2 28 Chattagong 2 16	Maldah Murshulabad Rujshahye Nudden Dinajpur Rungpur Julpanguri Monghyr Parneah Bogra Birbhum Pubna Bhagulpur Khulna Jessore Hazaribagh Backorganj 24-Porgunnahs Shahabad Hughli Gya	Ratio per mille 52 56	
	Burdwan	. 20-64	

5. That the mortality of the month under the heads of Sex, Class and Age stood as indicated below:—

According to Soc	r.	According to	Olass.	,		Accord	ing to A	ge,	
Males Forules katio of male deaths to every 100 female deaths	25.68	Christians Hindus Mahomedana Budhista Other classes	984 30 m 50 m • 60 m m	Ratio per mille. 15:48 25:56 30:00 14:52 18:60	Under: 1 and 5 " 10 " 11 " 20 " 30 " 40 " 50 year	year under	5 year 10 " 16 " 20 " 40 " 50 " 60 ",		Ratio per milla. 177-36 84-44 16-20 12-00 16-08 17-04 18-60 24-24 36-00 61-44

B. LEDDERDALE, M.D., Deputy Surgeon-General, Sanitary Commissioner for Bengal,

	_	•				•					MORTALITY	-A I	ACCORDING T	101			*	<b>R</b>	\$P-	
		POPULATION.	<u> [</u>						D.	Disease					İ					, Kag
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Bordwan	*	568 296 531 733 676 531 718 631 718 631 718 631 718 631 718 719 719 719 719 719 719 719 719 719 719	1 903 8-37 1 043 7 2 1/4 1 2 8 8/4 6-37 3/31,0-35	# 2		\$ - 7 \( \tilde{c}_1 \)	2 2 2 2 2 2 2 2			2 mm	1,20 -4		ñ - 1 - 2 %		4751-1		473,51			
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	R. LIDDERDALE, M.D., Deputy Surgeon-General,	Sanilary Commissioner for Bengal.
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#### MEMORANDUM.

The birth and death returns from the principal Municipalities in Bengal afford the following results for the week ending 31st December 1887 —

1. That births were registered at the rate of 25 6 per 1,000 of population and deaths at 30 7 per 1,000, as opposed to 23 0 and 39 5 per 1,000, respectively, during the preceding week ending 24th December, showing an improvement in the registration of both

2. That the following Municipalities furnished the highest proportions of births and deaths:—

	Bn ths.				Death	١	
			Raim per mulle				Ratio p. r.
Naranganj Bhagalpur Durbhanga Hughli Arrah Monghyr Comiliah Howrah	 4 100 5 45 200	444	78 7 41 3 42 5 41 6 35 9 35 3 34 6 30 3	Suburbs of Naminganj Santipur Jessore Hughli Bhagulpur Beaule ih Serimpur Durbhanga	Calcutta -		58 3 49 7 49 1 42 9 11 6 41 6 3 8 5 3 8
				Puri Cluttag ing Burdwan Kishnagar	1+0		33 6 32 8 32 6 30 3

3. That, as compared with the results of the preceding week, there was a noticeable enhancement of mortality from fever, and only fractional differences in the rates from the other death-causes, bowel-complaints and injury presenting no variations.—

				Kalio	sei wille duim	the weeks ending-
				Sta	st Dec 1807	24th Dec 1887
Cholera	44		,,		3 3	40
Small pox	444	-	44	***	0.3	1
Firer =	***			***	133	12 1
Bowel complaints	**	***			65	<u> ទី ទី</u>
Injury	4.0	100		***	2	3
Other causes	401			***	83	7.6

4. That the Municipalities named below appeared to have suffered the most from the diseases indicated in the foregoing table, excepting small-pox and injury, the casualties from which were nowhere above normal:—

Cholera.		· Fever.		Lionel-comp	lainte	Other ca	uees.
	Ratio per		Ratio per wills		Ratio per mille		Batio per
Durbhanga .	207 ta 108 105 55 23	Santipur Beauleah Burdwan Jessore Kushnagur Buburbs of C	. 35 0 8 9 27 4 24 5 22 7 alcutta 21 5	Hughh Suburbs of cutta	Cal- 12-0	Puri Bhagulpur Gya Suburbs of Purneah Sorampur Dacos	18 9 15 4 14 3 Calcutta 13 8 13 8 11 8 11 7

5. That the death-rates in relation to Sex, Class and Age, were returned at the rates noted below:—

According	g to See		Accor	ding to	Class		Acc	ordin	g to .	Age	•
·		ntio per malle			-	tic por				R	mille.
Males Pemales Ratio of male to every 100 deaths	deaths	33 4 27 7	Christians Hindus Mahomedan Other classe		107	13 0 30 5 31 8 36 4	der 1 y and un  " " " " " " " " " " " " " " " " " "			4 ### ###	176 6 40 8 13 5 11 8 17 8 21 7 28 0 24 8 33 3 81 6

B. Laddendale, M.D., Deputy Surgeon General,
Santary Commissioner for Bengal.

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	PACATION A		.molas R.	Peppelos	bald	Amplifi &	- Selector -	Manual Control		dead seem boost 3 existence almost but	. = ः		"stating"	Althorphysical segret	ng pengsap dottik i 		ngapula L. L. —	-k-d-litari	· version)	aktriki quimistanidi ——————	Indux2	Other diseases.	Tog with shi to as pay a "red modern pay Bay's gay, and oat	Alakina.	Pennalon		Pentula Pentula	id elant jo otza:R i olanid ettypere
-	Nurciwen		15,063	19,945	\$1,000	- -ja		271	1	6.75		:	<u>×</u>		-:	A 22		1	4,77.00			4.6 33	12	- 72	18	8.53.9	£82 e	at Te
	Midrapore		500	36,698	28,50°E	4fi	11	1.54	3.1 . 13	15:3	450			,-4		10.5 20	:		10	2	:	4.0 13	Ça	1100	-	125	19.5	37
- A	Hughli and Chinsurs	urah	621.61	19.339	86,719	5.1	15 1 31	2 11		\$0.00	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	:	*1	76		3	:	:	<u>\$</u>	Ē		877   41	-6 5 -	28.9	7	158	6.44	72
	Setampore	:	18,430	12,83	P. 183	1-	± -	120			0(1	:	£	*		£	:	;	In (2)	jn jn	-	11.8 8:11	71			5 th 6	9 ÷0 1	190
اکم	Utterpara	:	2,046	3, bG4	#12°9	- }	- 6	en :			100	:	-			e1 .	: :	İ	ī.	<b>→</b>	;	- E	23	on .	: i	***		No female de
ابت نبت	Howrah		63,163	87,7,68	90.913	a 4	5 "	11.0	00 n.o.	7,000 2,000	f 68		 				· 1		- 5	Ç.	7	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		0.44		- N	0 16.5	No male des
		:		6.770	412,219	1 UN		0.51 - 0					141	. 3	. W	· 6	20.8	:	51	18.0	. ?!	38 1 881			- 70	. 25	81.9	121
1 1	Rabayles of Calentin Flattening	=	147,205		27,477	IQ.	(- E)	(3) 25	- HO		÷.0	: :	1 11			5) P		1 1	- F	J	74			34.9		28	- 23	-
	Rentedat	:	4.044	4,053	8,673	:	74		0.51	tru No mate	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	;				11	:	;	9	0.0	:	113	- 0			.21	F 11.5	1990
_ <u>10</u>	Statione	1 1	13,705	614.01	22,657	٥	71	10.8	5) 9, 6	21.0 Curta	5.0 : e		ŝ			1 F-3	(2) (2)	?	6.82	1.5	:	d# 2-1	4	2.0		5	2.52	3
4	Je-acre		0.830	3,4566	P, 495	80		1.62		18 t No female	inte 3	1	*	-	1	L 1	1.0	1	17.4 P	1	6.3	61 B	6	7 <sup>1</sup>	473	20	\$ 54678	F
pil i	Lampore Beanlert	i	10,766	9, D25	19,791	NO.	44	2		35.4 S #-SE	100	1		D0	:	-	-	:	6.85	52 	ì	<b>6</b>	45	762	P4	53.1	1 173	200
j.	Darjillng*	1	8,829	2,947	7,023	=	en :	6			1	1		en en	:	7)	1	1	1	13.0	:	<b>3</b>	<i>-</i>	9.9		m1		No male des
	Darce	1	282 N	87,379	\$0,161	2 :	14 36	P 0 * .	1.60			:		es t	4 °	S: :	FF 1	÷	77. 1	1.7	1	.b] 4.11	vo i	10.2	F1			190
y.	Nacehistongo	1	7,605	4,956	13,501	d #	2 1	-	7 of war		2.012	=	# a	; n ,=		77 -	T .	:	2 2	, d	: :	7.00 4.7		4 1 4		21.5	1.20	
1	Chittagong	1	13,340	B(1)30		9 10	. 4			· v-	- :	i	5 63		1	-	9 11 .	:	9.11	n b			_	4 6		9		
<i>j</i>	Community of	1	20 1	-	1461 4507	8.4	28.5	1576	11.7 27.3		# # # # # # # # # # # # # # # # # # #		3		şī	3	F. F		7.	9	:	100	m.	34.5		2.13	-	7
. 0	Gya.	:	28 950		76,191	0.7	15	1.01	0.65 5.41			:	22	6 .	F1	7		:	11 2	20	ļ	14.3 24		27.61	- 1	31.	1.92 2	- 1
14	Arreb		0.000	1000	43,462	10	100	12.0	23.9 55.9		08		1,	10		3 . 15	÷	;	p.	· ii -	:	12 2.8	**	6.0		61	8, 11.6	2.5
7	Mosuferpore		23.064	39,658	42, 5142	øl	1 3	93	9.8 - 2.1	£ 21.0			71	*1	73	I%	:		40 51	- - - - - - - - - - - - - - - - - - -	:	19 19	43	2	9	1 13	P. 61	909
<u> </u>	Lorbhangs		83,774	-	951.39	23	27 34	77	21.2	5 JAN	¥.	,	33	, <del>u</del>	1-	£ 13	17		1.51	15		3.5	n)	6 . Les	 	954	32.2	118
<u>5</u>	Chupta		-	\$7,205	53.249	17	+	- 14	0.00	15	100	:				ent.	÷		37.6	:	*		1 0.	11.7		71	:	No female de
) j	Sheculpore	1			57,453	73 73	44	61 61	F1.7 + \$13	101 : 101	H F	;	97		21	1 PA	2	÷	25.54	\$0 60	1	35 +.CI	9	et	<b>6</b>	22.	8.55 1	74
X	Mongapy.	:	-		11,329	- 05 #1	11 36	52.52	0 2% <b>1.5</b>	792	:	pH.	pu	i ke	·	100	;	Ģ	98 19	20	:	S-9-3		14.5	-	- K	1.4	35.50
A	Partners date	:	3,463	LASS 1	18,114	-	PA	r# ci	34 BV	- 100	:	:	*	:  :	-	α. 		:	3.8	;	:	13.5 22	ļ-	11.64		. 15	4 83977	_
The state of	1	! f		14,537	24,754	*1	6	=	10.2 15.0		3	;	20	-: 	- "- 	2			2	71	:	9.55 9.51	5	21		8	2 40.3	F
1	Total Control			-	100 000	280	659	14.9	11.40 25.01	1-1	3		200			-				 F	9	R-3 B0-7	-1-	1.5	1 230	Š	1	386

B. LIDDERDALE, M.D., Deputy Surgeon-General,

A THE STATE WAS ARRESTED AND ADDRESS OF THE PARTY OF THE		254	# /			S P						18			1
						MORTALITY	ACCORDING T	TO-				. :		ļ	
		មី	Class.						Ago.				•		
TO THE	SAMES OF HUNICS- PALITIES.	DEATER AMONG—	RATIO PER LAGGOR POPULA- TION PER ANNUA.	POPULA-		DEATES.				BATJO 1	PKB 1.650 OF	y POPULATION	開發	ANHUM.	
1		.enulvisia(?) .unfisi.H .uncabomidaff .uncidiosetiusedioseti.	() in inclination of the control of	Hadelback,	Present breat a second	of robust here of officer of states.	On Tables of the State of the S	do years ned op-	Under 1 year.	01 risking hind 5 1920-1937	61 habair bas 81	South and 20	रेज्यहरू को समय मानुका स्प	Taban han m	-du per mission pr
1	Berdwan	**	( 5)77 2575	4 1	. <b>A</b>	19	63	53	74.4 23.1	65 24 25	\$1.8 E	16-8 45-9	-i-	2.23	61.5
Michaelore	Midnepore		16.0 72	1	:	24		62 F-	Term out	:		# :	40	14.0	85.1
1 1	Bugliff and Chinsurah	6	2551 350 046	•		71	10 mm / m	70		16.5				1 6.07	111.5 186.8
	Seramporo	26, 2	Sha 100	#  	; e:	#1 	94		90,28	2.05		1.27	8.05	6.94	
	Telespara	i	2 000			# · · ·	* ** ** * * * * * * * * * * * * * * * *		:	-	1	4.0	:	-	141.3
	Bowrah	10 It	14.0 . 30.0	97 20 61	T	3 .	i -	P	100 miles	27 30	- 0.4	81.8 TS.8	13.5	7.4	41.4
	Estimate and an area	:	3.0	1		:	: :					:	1		71.0
M. Pergunnahe	Suburbs of Calcutta	22 392 649	25.7 66.8 47.4	<b>5</b>	47 34	9 14 , 51	71 15 20	\$ . 4	1,881 1,881	2.13	1.46	46.3	29.62	7.10	62.1 108.0
Ç.	Kishneshur	13	5 61 5 5	91	:	=	\$1 	- i	23.77 63.9		19.3	7.55	80.7	\$1.0	24.7 30.1
Muddes	Rausghat		* **	:		:	÷ 	el el	11.00	:	-	: :	:	-	135-8
	Same Tra	p)	57.4 17.6		9	- P	71	à~	C1.0 1 01.13	:	0.50	1.75	0.87	- P	67.9 155.3
d'espera	alosar		10 PM 10 PM	¢1		<u>-</u>	: -	*** ::	53.11 105.3			99 Ga	0.89	49.5	
Majebahye	Rampers Beaufah	de de	1.10 F 50 C	;		# SI	9		7.02	25.0		0.20	£4.4	a	202.3
Darfillag	Darjiling	5.	<u>Anny</u>	:	:		-		:	:	240:			1.62	-
Theore	Daces	in the term	5.10 2.11	ij.	zi zi	13	† †)	=	1187.8 21.2	12.2	13.1	17.0	F P2	\$1. \$1. \$1. \$1.	37.1
	Northingue, or and a second	***	\$19 678	:	1	**	**	*	30% 11:00%			33.5	6.44	167	
ec ec	- Challegons	11 6	* 12 Page 1		:	:	22	- 1 	7.75	:	100 m	£.11	7.4		143'8 261'3
And an analysis of the	The second secon	20	T. 750	₩F.		:	1 3 1	-	4	:		:	891 100 211	9.6%	
	) 1		27.4 July	<u> </u>	÷,		48 - 19	₹1 	120 43 7.1	- 1-8	18.1	PER	F. 44		26'8 79'1
974		10 mm	624 1.02	:	eri Tel	**	9 P	D.	11 X	77		15 May 15	- di - 12 - 23	31-9	81.0
Shahnlad	APPRIL	F	17 17 18 18		1 1		1, 1, 1	12	an pan	500	- :	96 50 21	1.9	11.1	16.9
Hozugerper +	and all of the state of the sta		2.4 8.4	:	:	. 1		29		:	1.27	9.00	:	16.1	160 641
Darbinngs	<u> </u>	T T T	C. Set Dec.		is a	# T		 .a	8-46 B-107	71.00	15.6 12.3	9 18.6	\$3.3	0.1%	11.9
Bares	the full full form of the first	1	2			:		:		****		-	:		
Shangul ore		100 · 100 ·	F112 STATE 1	22	n w	:	7D	2500		9.55	1.51	#	8.11	6.4.9	
Monthly	Sloughtons -		1 10 2674 245.0 I	1	1	:	71	Tari g		ep tu		100	11.7	B-2	- THE
Pernell			4 1 Supp. 15-4	21			: -:	4.796			-	2.16	78.9		-
Par	Toward Toward	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			:	:		:		- !	_ :		216.5	1449.5	- 1
		3	15.0 39.0 9E.	E44 4.98	20 24 2	FIL ## 113		13tf	R.00 S.021	18.2	11.8	\$ 12 E	0.58		33.3 81.4

OFFICE OF SAMFARY COMMISSIONER FUR BREGAL,

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of November 1887.

#### ORISSA CIRCLE.

#### TALDUNDAH CANAL SYSTEM.

Length of Canal open { Taldundah Canal ... 27 miles. Muchgong , ... 4 ,

		<u></u> -	TOTAL GOVERNMENT	AND PRIVATE		Pa	II ATB.		
Sumber of books or	Decupeion		Quantity- Tons		Value	Quartity	v	n/140	i
jenčin,		Մյւ.	Down	Total	Кириса	Tone	12.17	]×es.	BEKAR ES
6	1. Grain	,	671	671	1,425	671		1,425	
*****	2. Colton	B 4 4 4 P	*****	191191	4 11	*****		i. i	
*** **	3. Oilseeds 4 Sult	1.7144	*****	*****	******	, ,,,	11	4198	
*****	5. Piece-goods	*** 4,		*** **	*****		"		ĺ
11.34	6. Metal	. **	916	210	153	981		.China	
14	7 Building materials 8. Miscellaneous		210     121	121	695	35 <u>1</u> 12 <u>1</u>		27 695	
3	9. Fuel		26,1	26]	175	264		175	ĺ
12 Rafts {	10. Tunber	41114	35 No	35 No	50	35 No.		50	l
	11. Bamboos	"""	7,200 ,,	7,200 ,	100	7,200 ,,		100	
26 & 12)	10 (7) 4-1	<u></u>	3164 &	3163 &	2,598	{ I42}	}	0.400	
Rafts	12. Total		7,235 No.	7,235 No.	) 2,000	7,235 No	5	2,462	
9	13. Total of same	1 2	811	81 \$	1 652	118 4	1	1 652	
	month last year	1 .	204 No	204 No	1	204 No.		1 003	
,		Up	Down	Total	1			Rs.	A.
	number of boats ply- cargo No.	BA4,00	26	26	Total tolla 24+25+		ih-	233	<b>3</b> 0
ing	number of boats ply- passenger No. I mumber of empty	17		17	Total tol	lage of	same		
bog	its No.	17	2.3	40	Striben (a)	oc year	***	27	. 8
CGT	go Tous	89	554	643		lemorandum	of To	llage.	
	registered tonnage, senger Tons	530	425	955				1	_
18. Ton-p	nileage	2,658	12,355	15,013				Rs.	Α.
19. Estim	ated value of cargo Rs.		2,448	2,448	on 1	not recording let of	ered the		
20. Numl	per of passengers No.	720	1	720	mon	h	**1	43	7
21. Rafts,	. bamboce ,,		7,200	7,200	2. Tollage	per month	809	283	0
22. Do.,	bullahs "		35						
23. Estim	ated value of rafts Rs.	*****	150	150					
24. Tollag	ge on boats	72-10-9	151-15-8	224-10-0	8.	Total	•	276	7
25. Composos		<b>4</b> 00+14	*14.00	Pa - 414	80001	410	the the		
26. Tollag	ge on rafta "	*****	8-6-6	8-6-6	nont	D.	441	223	11
27. Total ton	tollage on boats per	05+000		0-0-2-87	,				
28. Total 100	tollage on rafts per ouble feet	*****	102404	1 501010	5. Balance of th	dus 📕 the s mouth	end i	<b>49</b>	12

#### KENDRAPARA CANAL SYSTEM.

#### LENGTH OF CANAL OPEN, 75 MILES.

1		"	POTAL GOVERNMEN	r and Private.		Parva	1度.		
nileriöl eisor eis	Description.		Quantity - Tons.		Value,	Quantity,	Value,		į
		, up,	3°жуг,	Total,	Ropers,	Tons,	Вироея,		P. E. II.
98	1. Grain	418	74	492	28,370	492	28,37	70	
1	2. Colton	374491	1	1	200	1.	20	JO:	
11	3. Oileccls	B4 0 1 1 4	110	110	12.800	110	12,80		
25	4, Salt	93	98	· 191	34,030	191	34,00		
2	5. Piece-goods	1			500	1	ōt	)0	
	6. Metal	6	596	602	11,540	249	16.4		
34	7. Building materials	461	459	920	2,03,740	856	10,40		
141	8. Miscellaneous	30	100	30		30	1,99,19	00	
rafts	9. Fuel	312.00	987 No.	987 No.	1,550	987 No.	1,5		
THE TOP	11. Bamboos	*# * *# #	18,650 ,,	18,650 ,,		16,150 ,	,	90	
		( 1,000	1,338	2,317	1	1,930		_	
1.8	12. Total	1	Še.	35	+ $+$ 2,93,260	1	2,87,5	an L	
nfts i		l	19,637 No.	19,637 No.		117,407 No	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	100	
		*			ļ		·		
82 & rafts	13. Total of same month last year	1,671	677 & 821 No.	2,348 & 821 No.	2,47,270	2,330 & 821 No.	${2,46,7}$	70	
		Up.	Down,	Tetal.	i !	1		Ra.	ni.
	•	• , +	4		impatan				
	* 1				24 ± 25	go of mont		AND COMMENT	٠.
	number of boats ply-	180	139	319		T 20	0	,873	6
ing	g cargo No.	T(M)	100	orn	E .				ø
Total	number of boats ply-				Total tollas	ge of same me	onth		
ine	passenger No.	46	57	103	last year			,476 1	14
mE	Legison Peter				1			,	. •
Total box	l number of empty	141	151	505		*			
Total	registered tonnage.	i			1	lemar <mark>a</mark> ndum oj	Tothege	5 1	
car		1,776	1,979	3,755		,	u -		
									1
Total	registered tonuage,	9 9 8 8	1 900	0.200			-	9%	
pas	ssenger Tons	1.177	1,392	2,569				<b>B</b> 8.	A.
The second	170000	96,721	110,128	206,849	1 Palanas	not recovered	6173	*	
Ton-I	milenge	90,141	110,140	anniari)		nor recovered staf the ma		649 I	Δ
Dation	ated value of cargo Rs.	1,45,120	1,46,160	2,91,280	i tao i	us ar rug min	um o	DIG I	,Ti
T) S (LIII)	ISPORT ANTIER OF DRIED TRUE	9.3.4.5) 4 May	43203470	m jor glyweren					
Numl	ber of passengers No.	861	1,605	2,466	2. Tollage	per month	3,	873	6
Rafta	, bamboos ,,	491	18,650	18,650				٠	
			987	987			-		
•	timbors	941+11							
Estin	nated value of rafts Rs.	194 1 1 -	1,980	1,980	3.	Total	9,4	123 (	5
Tollag	ge on boats 50	1,878-11-1	1,940-9-8	3,819-4-9					
Comi-	ounded tollage on								
	ats Ra.		*****	FW1	4. Amount	eredited in t	lia		
474		991141	,.,	,		nts of the mor		308 11	l
Tollar	ge on refus ,,	4+46.64	54-1-11	A-1-11	-				
,									
	todage on boats per							<del></del> -	-
	a diam'r		Hitea	0-0-3:6					
m e	A seller				5 Dalamin	d1 47	!		
Total	tolige on rafts per 100			0.45		due at the e		114 **	۸.
	hin Black		*****	0-4-5	or the	month	11. 6,8	314 10	1
	* 1	1		r					

- ----

HIGH LEVEL CANAL RANGE T.
LENGTH OF CANAL OPEN, 33 MILES

	:		Total Governmen	TAND DUSTOR	-	PRIV	A1B	1
_!amber of beats ar raits.	Pracultion		Quantav-1009	<del></del>	Laduc	Quentity	Value	H
		t p	18 811	Total	Jenpers	Tens	Епресс	T walk & H
48	1. Gram	143	4	117	11,170	147	11,170	
\$88+r* 1678+*	2 Cotton 3. Orleeds	******		* ***	***		*****	
29	4 Salt .		102	102	8,550	102	8,550	
100110	5. Pace-goods 6. Metal	12 145		****	1377	41414	***	
2	7. Building materials 8. Miscellaneous	<6	51	23 144	001	23	100	
<b>5</b> 2   35	9 Fuel	266		266	24,220 1 740	144 266	24,220 740	
7 rafts	10 Timber 11. Bamboos	1883 No		1,883 No	2,500	1,953 No	2,500	
11488	11. Dutti soor				***			_
166 &	12. Total	40,	157	642	AT ULA	682	1 17 000	
7 raits	12. 10th	1.583 No	***	L883 No	47,260	1,883 No	47,280	),
160 &	13. Total of same	392	165	557		557		-
3 rafts	month last year	1 4		7	1 6,390	1 &	36,390	
		$\frac{1}{11} = \frac{100  \text{Mpc}}{100  \text{Mpc}}$		916 No	, <del>,</del>	4910 No	<u>}</u>	
		1 p —		14 ml			Rs	A F
		:					1	
ia Total :	number of boats plying be No	116	50	160	Total today	go of mouth + ~6	.   618	14
	number of boats ply-	ı						
	passenger No	2	6	8	Total tollare	e of same mon		
}	number of empty onts	13. J	24	122	last year	· · · ·	564	5
	registered towns_c,	942	362	1,211				-
oar	7*		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	*,***	Me	mor andum of	Tollage.	
17. Total	registered tonninge, senger Tous	4	21	25				
18. Ton-m		14,887	5,797	20 68 £			Re	L åls
19. Estim	ated value of curgo	30,540	14,210	44,780	1. Balance	not recover	ed	
20, Numb	er of passengers	រី	18	21	montl	ne let of t	139	0
21. Rafts,	bamboos ( ft		\$64.60	84194	9 Tallana	nas mandi		1.4
22. Do.,	timbers No	1,893		1,583	~ rounge)	er month	618	19
23. Estim	ated value of rafts	2 500		2,5 0	3.	Total	757	14
24. Tollag	e on boats Rs	JUG G-6	158 1-9	404-8-3				
•	,				4. Amount		in	
25. Compo		4- +1	4. 14.	* ***	the mont	h	ihe   544	1
26. Tollag	e on rafts ;	154 6 0	161 pg	154-6-0			-	
27. Total ton	tollage on boats per -mile		49144.	0-0-4-3	t	, ,	منشبهاه	epopular .
	tollage on rafts per oubic feet	en++>4		8-2-10	5. Balance of the	due at the e	ad taking	D
		<u> </u>		**************************************		4 45 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2		at de

### HIGH LEVEL CANAL, RANGE 11,

#### LENGTH OF CANAL OPEN, 121 MILES,

- دخته پنجي			Leiai Goyprnurut	AND PRIVATE		Pars	ATR,			
Number of boots or	DESCRIPTION		Quantity-Tons.	_	Vari	Osanlay.	\a	ilua,		
reitm.		Up	Down	Tetal	Киритя	tua i	Ita	pees.		
34	1. Grain	1151		115}	4,911	115]		4,911		
3 4 14	2. Cotton 3. Oilscods 4. Solt 5. Picce-goods	**************************************	9 36½ 22	9 36 <del>1</del> 29	528 8,765 6,200	13 (13) 13(1) 13(1)		528 3,765 6,200		
1 55 21	6. Metal 7. Building materials 8. Miscellaneous	24 46 51	472 42	2¦ 515 47¦	820 332 <b>7</b> ,515	21 17 47;		820 121 7,515		
10 Taîts	9 Fuel 10 Tunber 11. Bamboos	20 No	529 No	549 No.	1,592	519 No.		1,592		
132 & 19 rafts	12. Total	169½ Å 20 No	5814 & 529 No.	771 & 540 No	25,603	270 & 519 No.	2	25,152		
194	13. Total of same month last year	694	312	1,036	24,782	412	2	24,553		
			Down.	Tatal.					=	<u>=</u>
	number of boats ply-	13	89	133	     <b>T</b> otal tolks	ge of month		Re.	, <u>A</u> .	P
	number of boats pl)- g passenger No.	1	1	2	21+25+		***	533	9	9
bo	l number of empty ats No.	40	63	103	Total tolk mouth las	1.5	une	215	9	G
l6. Total	registered tonnage, rgo boats Tons.	339	1,163	1,502	_	]	<del></del>		_	
17. Total pa	registered tonnage, escuger boats Tons.	4	4	8	A.	lemorandum (	of U	Heya		****
18 Ton 1	nileage	6,112	19,753	25,865				Ra.	A.	P.
	nated value of cargo Rs.	6,681	17,390	21,071 151		not recover he Ist of t		A		
	ber of passengers		78	191	Hour	П	•	***	144	
	, bamboos	******	MILLE	P.40	o m II	4 %		909	٨	
2. Do.,	+	20	529	519	2. Tollage	рет шоліп		333	y	9
	nated value of rafts	5	1,587	1,592	1)	<b>π</b> . t		900		_
1	ge on boats Rs.	71-9-3	235-15-3	307-8-6	3.	Total	•••	338	9	9
bo	counded tollage on at Rs.	95.004	W& 4 1 4 4	1+1 +*		counts of t	in be	42.44		
26. Tolla	ge on rafts 37	0-15-0	25-2-3	26-1-3	montl	1		330	3	3
III. 100	tollage on boats per	(10:45	181 641	0-0-2-3		lue at the e	nu	. —		
	on such per 100 outbio	404780	444.000	4-12-0	∎í the	a mouth		1	6	6

HIGH LEVEL CANAL, RANGE III.

#### LENGTH OF CANAL OPEN, 19 MILES.

			Готав Соуднушнуг	AND PRIVITE		Разул	11 <b>k</b> ,	
Member of tents or raise	Description		Quantity - lons		Value	Quantily,	Value.	1000
th 1224e		Uρ	Down	Total	Вирисч	Тову	Ruprest	REGARGE
15	1. Grain 2. Cotton	43	500181	42	2 364	42	2,361	
3	3. Oilseeds 4. Salt 5 Pierc-goods	31,	105	7 <u>}</u> 20	635 2,228	71 20	639 2,228	
10	6. Metal 7. Building mut rials	Pat sa	75]	75)	132	*****		
3	8. Miscellaneous		16]	161	1,116	1€1	1,416	}
111144	9 Fuel	11 111	1	***		. 1	***	
******	11. Bamboos	**		****			***	
33	12. Total	453	136	1611	6,509	86	6,677	
55	13 Total of same month last year	279	157	436	4,260	105	4,000	
		1 p	D 2W31	lots				
3					,	•	Rs.	A.
	number of boats ply-	16	17	33	Total tollar	ge of month + 26		11
	number of boats ply-	* # #	***		Total tolls	ge of san	ne	
54. Tota bus	l number of empty No	G	18	24	month last			14
oar	registered tonnage,	91	233	323	М	entorandum o	f Tollage.	
	registered tournge, scuger tous	4.0.1484		40-422			He,	A
8. Ton-1	nilenge	2,861	3,691	6,552		not recover		
	nated value of cargo	2,736	4,073	6,809	on th month	ne lst of the	ho .	
	per of passongers	73	87	160	}			
l. Rožts,	banihoos No	*** **	+ = + #PP	4++	2. Tollage p	er month .	66	n
2. Do.,	bullahs "	}	h##ss					<b></b>
3. Estim	ated value of raits Rs.		144114	4 4 <b>9 P W</b> P	Ì.	for a fi		
ł. Tollaş	aboud no og	25-2-6	41-9-0	66-11-6	3.	Total .	66	11
i. Comp bo	ounded tollage on Rs		dep	++ «F	4. Amount the s	credited :	in he	
6. Tolla	go on 114fts ,,	*****	101163	. 40	. mont		- 1	4
7. Total to:	tollage on boats per	10000	*****	0-0-2:0	g Dalare	d	4,	¥
8. Total	tollage on rafts per ouble feet	*****	NAS 100	117141		dne at the or month	nd A	

#### SOUTH-WESTERN CIRCLE.

#### MIDNAPORE CANAL.

#### LENGTH OF CANAL OPPN, 53 MILES.

		_	LOIAL GOVERNMEN	IL AND PRIVATE		PRIVAT	<b>B</b>	
Number of the boats or paid.	DESCRIPTION		Quantity-Fons		Value	Quartity	Value.	
			Рожп	Total	Rupces	1 mg	Report,	Santa Bara.
703	1. Gritin	5,064	331	5,395	2,19,572	5,895	2,19,572	
13	2. Cotton 3 Oilsoeds	48	59	107	10 912	107	10,812	
81	4. Solt		882	843	69,087	552	69,087	
13	5 Piece-goods	16	2	21 18	55,500 15,500		55 500	
20	6. Metal 7. Building materials	121	6	120	15,500 1,482	18 129	$15,500^{\circ}$ $1,482$	
308	8. Miscellancous .	640	376	1016	1,95,036	1,016	1,95,036	
14	9. Fuel .	34	77	111	1,101	111	1,101	
26 raft	10. Timber 11. Bamboos	25,837 c ft. 1,700 ,.	287 c. ft. 84	26,121 o ft. 1,784 ",	25,174	26,124 a. it	23,174	
6 "	[1. Dimmons						80	
1,156 L	12 Total .	5911	1,745 &	7,679 &	5,91,344	{ 7,379 }	5,91,344	
2 rafts	J., 100m	(27,537 c tt	371 e ft	27,908 o ft	j ' ' ' [	(27,90 to It )	OJOZJOEZ	
1,122	13 Total of same	5,179	1,661 &	6,840	4,36,984	6,840	4.96,001	
& 5 raits	> month last your	(21519 cft	630 e ft	22,189 c ft		22,1890 11	4,36,984	
	٠.,	$\pi_{\mathrm{p}}$	Down	Total				
			<u> </u>	<u> </u>	-		Ra	A.
	I number of boots ply- coargo No.	870	286	1,156	Total tolla	ge of month-	0.041	0
k Mala	I mumbay of books also				217407		8,84-1	y
	l number of boats ply- g passenger No.	474	573	1,047	m.a.i a m			
	,1				Total tol	lago of sam	0.500	7,
	l number of empty	713	751	1,461	HOUSE IN	n kom	0,000	t)
boe	ats No	110	101	1,301				
6. Tota	l registered tennage,						-	
COL	go Tous	11,813	3,991	15,801	16	rmorandum of 1	ollage.	
7. Tuta	l registered tonnage,	}						
	ssenger Tons	2,902	2,127	5,029	-			
A maka	1						Rs.	Ā
	l registered tonnago, pty Tons	2,414	2,798	5,213			1	
			1 01 Pro1	E 80 E01		mot recovered List of the		
ö. Ton-	mileage	3,80,800	1,81,781	5,62,581	month	. 14 01 110	4,258 18	5
0. Esti:	mated value of cargo	3,76,530	1,01,560	5,68,090				
0. Nun	aber of passongers	10,089	2,549	12,638	2 Tollage 1	oer month	8,843 1	ŋ
1. Reft	s, bamboos o. ft	1,700	84	1,784				
2. Do.	, bullaha ,,	25,837	287	26,124		Total	13,132	8 ]
8. Patie	mated value of rafts	22,932	322	23,254	Add as	noted below	46 (	)
A. Tolk	age on boats Ra.	5,364-6-3	2,985-6-9	8,349-13-0	-	Total	13,15s	8 1
6. Com	pounded tollage on							- '
boo	Ra	******	*****	***	4. Amount	paid into	}	
6. Tolly	No cir segga 12	492-4-6	1.7-9	493-12-3	treasury month	during the	7,490 13	n
<b>E</b>	teilinge on heats per	_		AAAA	WOULT		1,200 10	Ų
	Pie	or mank with	A 64 640	0-0-2-8	5. Balance	lue at the end		
		Section of the	163		of the m		5,647 1	1 1
10 mm				1-19-4	1			
68			20. 公司 10. 10. 10. 10. 10. 10. 10. 10. 10. 10.	. '				

#### HIDGELLER TIDAL CANAL

#### LENGTH OF CANAL OPEN, 29 MILES

			Total Governmen	IT AND PRIVATE		Parce	LTE	
Number of b are or raite	}BB6CE1PT10E		Quantity-1: 25		\ale	Quantity	Value	3.50
		Ţī <sub>þ</sub>	Down	Total	Rapics	Tous	Rujers	RETEARS
338	I. Grana	1,484	12	1,496	60,745	1,496	60,745	
3	2 Cotton 3 Orlscods	37	44		2,700	37	2,700	
23	4 Salt	07	220	220	15,400	220	15,400	ļ
18	5. Piece-goods	++ 100	23	23	14,800	23	14,800	
$\frac{1}{2}$	6. Metal		3	3 5	650	3 5	080 25	
702	7. Building materials 8 Miscellaneous	452	302	754	90,046	754	90,046	
15	9. Fuel	42	23	(อี	500	65	500	
12 refle			1,077 c ft	1,077 o ft	1,050	1,077 o ft	4,050	}
2 ,,	11. Barnboos		3,600 ,,	<b>3,6</b> 00 <u></u> 	190	3,600 ,,	490	
.100 å	*		ς 584 λ	2,603 &		\$ 2,603 &	)	
4 rafta	12. Total	2,019	4,677 c ft	4,677 c. ft	1,89,136	14,677 11	} 1,89,436	
905 &	18 Total of same	) 1,675 A	496 &	2,171 &	1	§ 2,171 d	)	
5 rafts	month last year	6,630 c, ft.	4,065 c ft	10,695 c it	1,36,620	10,695e It	} 1,36,620	
		l p	Down	Total			ke.	A
	al number of boats ply- g cargo No	£28	572	1,100	Total tolls 24 + 25	go of month + 20	2,863	11
	l number of boats ply- g passenger No.	41	57	101	Total toll month las	age of san tyear	ne 1,977	7
S. Tota	al registered tennage, rgo . Tons	4,485	2,011	7,429			l	
	al registered tonnage, stanger Tons	372	107	77")	Ma	morandum of	Tollage	
- •		78,547	52,611	131,158			Rs.	A.
	mated value of earger	92,386	92,510	1,81,896		o notrecover he lat of t		
	aber of passengers	830	1,537	2,367	mont		1,253	9
1	ts, bamboos e ft		3,600	3,600				
2. Do	., bullahs "	4 +0	1,077	1,077	2 Tollag	e per month	. 2,363	11
} Esti	imated value of rafts .	144 98	4,540	4,540				
4. Toll	lage on boats Rs	1,206-7-3	718-8-6	1 924-15-9	3. 1	otal	8,617	4
	npounded tollage on Rs.	167-10-6	201-10-3	369-4-9		nry during 1		
в. <b>Т</b> оП	lage on rafts	***	69-6-9	69-6-9	mont	ū	2,314	7
7 Tot	al tollage on boats per n-nule	<b>a</b> Séadta	*******	0-2-8			WIT WHILE	- Paris
	l tollage en rafts per 00 cubic fect	reeshib	*******	1-7-9	5. Balane	e due at 1	he 1,802	18

# SONE CIRCLE. PATNA CANAL SYSTEM.

Length of Canal open,  $86^{\rm t}_4$  miles.

			TOTAL GOVERNMENT	AND PROVATE.		PRITA	TR.	
pher of loats rafts.	Banggertion.		Quantity-Tons,		Value,	Quantity.	Indue.	
Lagrany		lip.	Down.	Tolal.	Кареет,	Tons,	Rupoos.	
_							¥	
1	1. Grain	1	9	10	290	10	290	ì
	2. Cotton		59	0.1	4 001	*****	101141	
5	8. Oilseeds	82	อย	59 82	4,831 5,615	59 82	4.831	
5 32	e 10 3 -	141	109	250	34,860	250	5,615, 34,860	
04	e Maal	II	2	13	4,167	13	4,167	
93	7. Building materials		789	789	1,177	71	384	1
53	8. Miscellapeous	57	279	336	42,653	332	42,353	
- (	9. Fuel		231	231	410	231	410	-
fts }	10. Timber	B) 6 4 4 .	57	57	400	57	400	
ŧ	11. Bamboos	1	143	144	2,238	144	2,238	
189	18. Total	293	1,678	1,971	96,641	1,249	95,548	
127	13. Total of same		<u> </u>		]			
	mouth last year	357	1,473	1,830	1,70,199	1,803	1,09,999	1
		Մր.	Down.	Total.		- white	Ř.	J. A.
		•			m a L ch			
ing	number of hoats ply- cargo No.	34	155	189	24 + 25	go of month + 26		9 12
	number of boats ply-	8	4	12				
	passenger No.   I number of empty	-	1	1~	Total tolla	nge of san	20	i
boats		19	109	128	moath last		1,770	9 13
carg	o Tons	451	2,077	2,528				
	registered tonnage, enger Tons	139	108	247				
Total	enger Tous   l registered tomage,	*00	100	/w.T.#	Med	covandua et	Tollage.	
	pty boats Tons	497	26	523			-	
Ton-n	nileage	48,304	1,04,616	1,52,920			B <sub>6</sub> .	Δ.
Estim	ated value of cargo Rs.	43,833	49,760	93,593		not recover 1st ef t		ha .
Num!	per of passengers No.	416	301	717	month			.0
	, hamboos ,,	60	21,503	21,563	2. Tollage p	per mouth	1,249	12
•	bullahs "		21,563	21,563				
	ated value of rafts Rs.	12	3,036	3,048	3,	Total .	1,492	12
	ge on boats "	348-12-6	596-12-3	945-8-9				
boat	ounded tollage on Rs.	75-0-0	75-0-0	150-0-0	4. Amount	eredited	in	
Tollay	ge on rafte ,,	0 0 6	154-2-9	154-3-3		counts of fl		*****************
Total	tolisge on boats per			0-0-1-3	Edit Age 6 o g.		4,000	
	tollage on aste per	4	*****	V 7-8 V			149	<del></del>
	Capita Seet	130400	\$84174	0-5-8	5. Balance of the r		. 400	7

#### ABRAH CANAL SYSTEM.

#### LENGTH OF CANAL OPEN, 65 MILES.

		T	OFAL GOVERNMENT	N 14 1 14 1 14 1 16 1		Priva		
umber of a boats or raits.	Dascriffion.		Quantity-Tons.		Value.	Quantity.	Value.	BREAKE.
- at 3. !	,	Up.	Down,	Total.	Bupees.	Tons.	Rapeer.	#
		3.0		24	1,300	24	1,300	
5.	I. Grain	19	5	15	13,040	15	13,040	ļ
- 1	2. Cotton	14	1					ſ
23	3. Oilsceds		154	154	15,674	154	15,674	1
17	. 4 Salt	239	114711	239	19,280	239	19,280	ĺ
6	5. Piece-goods	55	5	60	50,230	60	50,230	Ì
ì	0.35.4.1	4	1	5	230	1	130	
41	7. Building materials	14	329	343	2,579	99	2,504	
	0.341 11	124	105	229	25,453	189	25,422	
20		144	21	21	300	21	300	
<sup>1</sup> 1	9. Fuel	88857.0		2	314	2		Į.
	10. Timber	1	1				314	
- 1	11. Firewood		489	489	1,727	489	1,727	í
Rafte (	Bullahs	401:01	115 j	115	372	115	372	
1	Bamboos	111111	87	87	1,357	87	1,357	
104	12. Total	470	1,313	1,783	1,31,856	1,495	1,31,650	
124	13. Total of same	7101						
,	month last year	317	1,440	1,757	96,126	1,599	95,943	
	* *	Up	1kowu.	Total.			Ra	. A.
. Total	number of boats ply- g cargo No.	43	81	124	Total tollag	e of month-	_	
	number of boats ply-		i i		24 + 25	+ 26	1,968	1
ing	g passenger No.	4	5	9				
A. Tota	al number of empty					age of sar		
be	No.	68	8	76	month las	t year	889	0
l. Total	- 11	618	931	1,549				
ca Total	1 B V		į		М	eniorandum of	Tollage.	
par Tota	ssenger Tons di registered tonnage,	88	70	158			- T	
em	pty Tons	197	22	219			Ra	l- A.
. Ton-r	milenge	41,726	34,210	75,936	1. Balance	not recover	ed	
. Estin	nated value of cargo Rs.	85,094	49,306	1,28,400	on the month	· - ·	he 120	6
. Num	ber of passengers No.	1,107	881	2,018				•
Rafts	s, hamboos ,,	**1444	13,100	13,100	2. Tollage	per month	1,063	1
(Do.,	bullahs ,,		8,650	8,650				
′{ <b>D</b> ₀,	firewood "	*****	36,725	36,725				
. Estin	nated value of rafts Rs.	04744	3,456	3,456	<b>₺</b> .	Total	1,183	.8
. Tolla	ge on boats "	241-0-9	241-1-0	482-1-9				100
	pounded tollage on Rs.	229-12-0	229-12-2	459-8-2	4. Amount the a month	coounts of t	in he 1118	0
6. To <b>lla</b>	ge on rafts "	****	121-7-6	121-7-6				
7. Total	l tollage en boats per		*					, a be
to	n-mile	481111	101411	0-0-2:38	5, Balance	dne et the m	nd Panja	
o mar	1 4-11	ŀ	1		of the		1	1
	l tollage on rafts per	I		8-8-0	UL 0140	And with	400	W. 17
	30 cabie feet	461498 }	. Dayses	A-M-0	1	Address of the second	att. Walter Buckey !	3. W.

BUXAR CANAL SYSTEM.

## LENGTH OF CANAL OPEN, 67 MILES.

		Te	otal Government a	NO PRIVATE.		Puiva	TE.			
Number of	Description.		Jonaldy—Pous.		Yidne.	Quantity,	Value.		1315.	٠
शा समीतिः	;	Cp.	bayn,	Total.	Вирозек.	Tons.	Bupeon	-1,	BREAKE	• নাই
	1. Grain	1		1	100	I i	10	00		
191010	2. Cotton	13	55 l	67	9,572	67	9,57	12		
5	3. Oilsoods 4. Salt			*****	19		***			
11111	5. Piece-goods	2	1	;	4,500	* : 	4,50	)()		
5	7. Building materials	11	82	82   122	2,825   11,556	19	3 11,5	50 50		
12	8. Miscellaneous 9. Fuel		******				44- 101			
Rafta {	10. Timber	491448	134   55	134 55	2,303   982	184   55	2,3 9	03 <b>82</b>		
Marin (	11. Euniboos									
00	12. Total	26	438	464	31,838	401	29,8	63		
22	Tay, Division						·	!		
46	13. Total of same month last year.	75	790	865	85,699	the step of J	-82,	74		
	41-21	• Up.	Down.	Total.	=	*	1		==:	==
		•						Rs.	A.	P.
in	g cargo No.	3	19	22		go of monti				
in	number of beats ply- g passenger No.	8	9	- 17	24 + 25	+ 20		377	8	10
54. Tota	al number of empty No.	7	B=4 +90	7			i			
S. Tota	l registered tonnage, rgo Tons	33	515	548	Total tall month lus	age of sa tyeur		437	5	6
TV	l registered tonnago,	216	243	459					_	_
et et	al registered tonnage, mpty Tons mileage	21 2,024	12,886	24 14,910		lemorandum	of Tollay	e.	7.	
. Esti	mated value of cargo Rs.	3,829	24,724	28,553				Hs,	A.	P.
	aber of passengers No.	5914	668	$1,259\frac{1}{4}$	1. Balance					
	ie, bamboos c. ft.	944748	8,187	8,187	on f mont	he lat of h	ruo	26	ō	0
	., bullahs »	41414	10,057	10,057	o Mallan-	man second le		377	٥	10.
	mated value of rafts Ra.	5491=9	3,285	3,285	2. Tollage	her montu	***	» •	đ	40.
	age on boats "	18-4-9	77-4-9	95-9-6	3,	Total	***	403	13	:0
	rpounded tollage on Re.	75-0-0	139-14-1	214-14-I	4. Amount		in		Tight.	
. Toll	age on rafts "	******	67-1-3	67-1-3	the a		the	<b>37</b> 3	10	1
Total	al tollage on boats per	* *	29484	0-0-4			_			_
Tot	of tolling on rafts per	40.000	ya s 844	0-5-10		due at the e month	ead	30	Ś	g

MONTH OF THE PREVIOUS YEAR.

# ABSTRACT FOR THE MONTH OF NOVEMBER 1887, AS COMPARED WITH THE CORRESPONDIN

****	Tour	Lyar sy	TRAIREC	1990-87	STHARMS.
CAB tan	parank (t. 10 a. p.	Lound of the moust	During the onough	To end of the month.	
Orissa Circle.	Rs A. P	129 4 P.	Rв. ж. Р.	Rs. A. r.	
Taldunda Canal System Kendrapara Canal System High Level, Range I Ditto, ,, II Ditto, ,, III	243 0 6 3,873 6 8 648 11 3 843 9 9 66 11 6	2,851 7 6 25,103 9 1 1,112 5 6 2,104 8 3 7,1 11 6	27 9 9 2,176 11 3 564 5 6 215 9 6 69 11 9	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
" Total Orissa ( neh	5,12 > 10 - 8	<i>5</i> ,616 9 10	8,354 5 8	34353 1 11	
South- Western Circle.		1			
Midnapore Canal Hidgellee Tudal Canal	\$ \$11 0 3 p 2 365 14 3 p	75,555 10 3 36,938 9 6	$-\frac{6.569}{1.977} \cdot \frac{5}{7} \cdot \frac{0}{0} \mid$	74,115 8 8 38,605 14 9	
Total South-Western Circle	11, 207 - 1 - 6 :	1,15,817 3 9	5,746-12 0	1,12721 7 0	
Sone Circle.		1			
Patna Canal System Arrah ditto Buxar ditto	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1,779 13 5 5 889 0 9 497 5 6	14,807 1 3 12,613 11 4 5,080 4 4	
Total Sone Circle	5'600 6 9	32, 56 4 11	3,106 3 9	32,501 8 41	
GRAND TOTAL	19,023 5 5	1,54,010 2 6	15,007 5+ 5	1,79,575 12 10	
				_	

#### GOVERNMENT TRANSPORT SERVICE.

<b>₽</b>						-		
		TRAFFIE	1557.95			Такрую	1656-67	
*					: I			_
GIVAL	Davin, ibi	ա ալի	j Lott	the month	Darin t	la month	To end of the	mostb
	Prove ti gray Crass	fithlicopts	TPIST Cords	: Physical Iclass	Preside from	Total ris sapta	Passett Goods	Total records
				·				
Oriena Circle	30 315	KS A P	20 300	1 Rs. A P	No. Mds.	Ila. v. L	No. Mae.	Dr. L.
Righ Level	258 45(	200 6 11	2,593 1726	3.111 14 5	495 132	415 2 1	6,730 12,411	7,538 6
Total Orissa Circle	526 1 121	309 6 11	2501 3,730	3,111, 14, 5	195   133	/35 2 1	6,730 12,411	7,536 6
un markho			,		-		'	

#### TOTAL NAVIGATION RECEIPTS.

	Lygger	144. Rt	I ARRESON.	, 1468-R7	
CANAL					Bryanus
	Darius De sanath	To cial of the month	During the menth	To end of the month	
	- 1				
4	Rs A. P.	Rs A. P.	Rs. A P.	Rs. A. P.	
Ocissa Canals	5,416 1 7	88,758 8 3	3,799 7 9	41,889 7 11	
Midnapore Canal	858 9 3	78,858 10 3	6,569 5 0	74,115 8 3 1	
Hidgeflee Tidal Canal	* 2364 H 3	86,954 9 G		38,605 14 9	
Sone Canals	2,690 6 3	32,556 4 11		32,501 3 11	
Total	19,313 12 4	1,87,162 0 11	15,452 7 6	1,87,112 2 10	

A. D. McARTHUR, MASON, MAN.

CALGUTTA,
The 24th January 1888.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

## CALCUTTA AND EASTREN CANALS

Statement showing Quantities of Goods carried during the month of November 1887.

	Ì		Tota Centran	FNI AND PHILADE		lina	īk =	Ì
Number of beits or rote	Drs(m) non		Quantity from	_	Vidue	Or nuly	1 duo	,,,
100		- Up	Dynan	Liftal	Rujees	1 11	Lupros	REMABILE
676	1. Gram 2. Cotton	8,415		8,149	6,12,245	5,115	6,12,245	
18 511	3 Orbenls . 4 Salt .	85 3 520	5,292	359 8,819	17,550 7,10,205	858 5,512	47,580 7,10,205	
4 49 105	5. Proce-goods . 6 Metal 7. Building materials	29 1,721	161 189		25 200	193	27,200	KE DA
3,451 697	8 Misiclianoous 1 9. Fuel	83,212 10,655	7.34 1,151	339th 14,836	26,159 34,75,308 1,29,333	1 910 3 3,916 11,536	26, 459   34,75,308   1,29,23J	3
3 rafts	10. Timber 11. Bamboos	60 c 1t	10	60 ± £	7	60 ← ft,	7	M. Ide
3,480 d 3 rafts	12. Total .	5496S 60 e ft	] 13,535 {	60 c # 4	50,56,207	} 65,703 £ ∯ 50 € £	50,56,207	
4,315 & 8 rafts	13. Total of same month last year	( 44,511	10,152	54,663 ) & 1,561 No	35,69,561	51663 & C1,561 No	35,69,561	
		• 11	Down	i tal		1	Ки. л	
4 Total	number of beats plying	4.710	770	5,180	Total tolling 24+25+	ge of month	ľ	
4a. Ditte	o empty .,	I,541	1,085	2,929	Total full ve	of same mor	i dh	
	number of loats plying senger No.	210	3	215	List y ag	or welleritor		8
le Total war	, m , l	141,801	39,564	184,365	_    -   <i>M</i> t.),	noran him of	 <b>L</b> ollage	
	registered tounage, songer Tons.	698	22	7.20				
18. <b>T</b> on-n	oileage .	1,821,155	d95,860	1,720,015				, P
9. Estim	ated value of errgo Re	42,05,763	8,50,437	50,56,700		ntrees red of the rion	on h 1,293 1	1
	per of passengers No.	854	30	911	2. Tollage p	or manth	⊣ . 12,440 11	5 4
	, bamboos c. ft.	- GO		60	M TOTAL	1 2331771	(	
2. Do.,		410700	*****	****	<b>}</b> ,	Total .	143,781 3	) (
	ated value of rafts lis.	29 245 4 6	0.609.147	7		·		
	ounded tellage on	32,741-4 6	9 698-14-6	43,110-3 0 j				
boa	its Rs.	, .	*00 22		4 Amo of p	ud into tres		
	to on rafte ,,	, 0- 2-0	.	0-12-0	nanth		•	5 (
(0.0)	tollage on boots per	44.000	******	0-0 173				<u></u>
and the second second	tollage on rafts per make fact. Ha.	oprotes	*****	I-4-0	5. Balance d of the			

# ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

#### CALCUTIA AND BASTERN CANALS.

			TOTAL GOVERNMENT	AND PRIVATE		Par	TATE
imber of iontii or isulta	Description		Quantity +1 hs		\ alm	Quantity	Value
		1 p	Down .	Lotal 	Hupers -	Tons	Вирия
1,314	(a) Jute	27,429	7	27,436	26,58,675	27,436	26,88,675
66	(b) Jaggery	444	12	456	51,100	156	51,100
17	(c) Sugar	113		112	22,050	112	22,050
8	(d) Tobacco	11	10	21	4,025	21	4,025
1,055	(e) Fish	151		151	42,257	151	42,257
9	(f) Hides	24	P#11-1	24	5,410	21	5,410
30	(g) Poultry	7	*****	7	6,981	7	5,981
64	(h) Hay and straw	356		356	7,476	356	7,476
<b>#</b> 2	(7) Oils		631	634	68,760	634	88,700
40	(1) Earthenware	92		92	1,287	$\delta \hat{n}$	1,287
794	(m) Other miscellaneous	4,586	71	4,657	5,58,287	4,657	5,58,287
3,454	Total Miscellaneous	#3,212	731	33,946	31,75,308	33,946	34,75,308

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

#### SOUTH-WESTERN CIRCLE.

#### TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the wouth of November 1887.

					**************************************	: :-	Pittyan	DE	}	
house of the cales	Description.	ļ,		Quantity-Tons.		Value,	Quantity,	Value		AXE.
_			Up.	Down.	Total	Впрев.	Tonh,	Ruper	*	REMARKS
2,258	1. Grain		10,050		10,050	6,22,710	10,050	6,23	710	
4	2. Cotton		25		25	13,300	25		,300	
13	3. Oilseeds	140	248		248	84,750	248	31	,750	
78	4. Salt		527	439	966	81,150	966	81	,150	
	<ol><li>f. Piece-goods</li></ol>				*** **	FB4 ++ 4	*44.5**	:	*	
*****	6. Metal	***	******		111 41	194122			. 1	1
<b>339</b>	7. Building mate		2,831	9 !	2,840	10,952	- 1		0.952	i
,285	8. Miscellaneous*	· • • •	5,975	101	6,076	6,99,492			0,492	
298	9. Fuel	***	2,970	9 400 5	2,974	26,742			6,742	
5 raits	10. Timber		2,030 c. ft.	2,400 c. ft.	4,430 c. ft.	17,080	4,420 c. ft.	1	7,680	•
1 ,,	11. Bamboos	144	1,552 ,	******	1,552 ,,	194	1,552 ,,		  t61	
270 &	12. Total		22,626 & 3,582 c. ft.	553 & 2,400 c. ft.	23,179 & 5,982 a. ft.	14,97,970	\$ 23.179 & 5,982 c.ft	14,0	7,970	4
saite.	12. Total	117	Opinote the In-	1 2,200 0, 20,	(0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1 0,002 C.I.	1		}
,690 & Tafts.	13. Total of someth last y	ame ear.	12,702 & 444 No.	688	{ 13,390 & 444 No.	7,31,884	13,390 & 444 No.	7,	1,884	1
		1	l <sup>†</sup> p.	Down.	Total.	1			Rs.	
			•			Total tol	lago of mor	oth	116.	٩
- Minda	number of boats p	dring	*			24 + 2			12,180	
	igo	No.	4,192	? 78	4,270	1		- 1	3 W . W . * * * * * *	
,					,					
a. Ditt	o empty	31	2,072	390	2,462	Total to		same		
. Total	number of boots p	lying		İ		- ոստոքև l	ast year		8,633	i
pa	ssonger	No.	471	23	494			ļ		
i. Total	l registered ton	uage,				1				
		Tons.	67,790	3,900	71,692					
	_						Memorandun	of Tole	hyr.	
7. Total	l registered tomage	, jans-							-	
	ngor	Tons.	1,068	5   80	5   1,150					
				_		1			$R_B$	ů,
3. Ton-	mileage	1.00	627,53	63,760	691,295			į		
9. Estin	nated value of cargo	Rs.	14,32,396	47,700	14,80,090		re not reco			
0. Nun	ber of passengers	No.	3,12	116	3,239		nth	rin.	<sup>11</sup> 505	1
	s, hamboos	e. ft.	1,569	2	1,55%					4ř
			,			2, Tollag	ge per month	1	12,280	(*
2. Do	o, bullahs	77	2,03	0 2,40	0 4,436					
a Estin	mated value of rafts	Rs.	16,67	4 1,200	17,874		Total		12,785	,
4. Tolk	sge on bosts		11,249-7-0	976-13-0	6   12,226-5-0	8.	1 (1111)	4+ }   	14,780 3	Li
E 01										
	pounded tollage oats	en Ra.		114-17	(2111		ant paid			
1	age on ruits		42-8-	0 11-4-0	0 53-12-0		isory during oth		12,306	
		**	44-0*	11-21	8,5-1,0-0			1	,~~	
7. Tota	il tellage on boats pe	er tou-				1		j-		
×	rile '	111	1	10000	0.0-3-39	Ĭ				
	*			ļ				1		
00						h 10-1	an don et 21			
40: La	d tellage on rafts p	er 100		- [	0-14-4		ce due at th he month	e end,	479	
Sec. 7 2					E 17E 4	UA A	DO MUNITO	411	4.75	

## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

#### TOLLY'S NULLAH.

	1		TOTAL COVERSMEN	T AND PRIVATE	•	Parva	TE
Number of bonts or raths	Drackierios		Quantity-Tons		Value	Quantity	Value.
		ξņ	Down	Total	Ropers	Tona	Rupess
15	(a) Juto	91	457. 4	91	8,890	91	8,890
102	(d) Jaggery	595		895	66,600	595	66,600
*****	(c) Sugar	*****	h 1 491	454			*****
9	(d) Tobacco	61	3	64	12,425	61	12,425
159	(e) Fish	15	1	16	4,653	16	4,653
1	(f) Hides	6	. 194	6	1,400	6	1,400
12	(g) Poultry	3	*** *	3	1,222	3	1,222
452	(h) Hay and straw .	1,297	******	1,297	27,210	1,297	27,240
47	(j) Oila	354	25	379	53,125	379	53,125
1,04	(k) Earthenware .	129	19	148	2,070	148	2,070
384	(m) Other miscella- neous	3,424	53	3,477	5,12,867	3,477	5,12,867
1,285	Total Miscellaneous	5,975	101	6,076	6,96,492	6,076	6,90,492

## ABSTRACT FOR THE MONTH OF NOVEMBER 1887, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

				Te	AFPI	, 1887 88.		_	Thappic, 1888-87.						
			During the	month	3	To end of the	mont	ili,	During the	htom	la	To end of the m	ionti	b.	
		ļ	Rs.	A.	P.	Rs.	A.	P.	$\mathbf{R}_{B}$	Ą	P.	Rs	۸.	P.	
Calcutta and Ea	stern Canals	9	42,440	15	0	2,15,245	2	3	32,816	8	6	1,82,096	3	3	
Telly's Nullah	***	***	12,280	1	0	76,616	11	3	8,633	7	6	56,668 1	20	3	
	Total	bite	54,721	0	0	2,91,*61	13	6	41,450	0	0	2,38,764 1	13	6	

CAICUTIA,
The 24th January 1888.

A. D. McARITTUR, Major, RE.

Under-Secretary to the Government of Bengal.

#### CIRCULAR AND EASTERN CANALS.

approximate Return of Traffic for the week ending Saturday, the 21st January 1888, as compared with the corresponding week of the previous year.

				IDING SATUR GJANUARA 186			ding Saturi Dinuara :	
Nature	OF CARGO.		Number of boats.	Woght of Cargo	Tollago,	Number of bosts.	Warght of cargo,	Tolinge,
	•		No.	Mds.	Rs.	No.	M ds.	Rs.
lice and paddy ute hrewood Other articles	+11 #01 444	891 891 891	1,851 137 142 839	4,43,486 95,275 60,035 1,75,962	7,952 1,666 1,178 2,820	1,548 126 120 841	2,91,570 81,950 82,900 2,15,960	5,579 1,37 <b>3</b> 1,165 3,805
	Total	***	2,969	7,94,758	13,616	2,630	6,72,380	11,982

#### Weekly Beturn of Traffic Receipts on Indian Railways.

#### EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 14th Junuary 1888, on 1,513 | mslos open

	The state of the s										
	COALBING	TRAPPIC	Hercharding Tra	AVII KIREBAL PEIL	Other earnings Total		TRAPPIC	Trair meetu	<b>አሳ</b> ደ ፡		
	Number of June rights	Conchage Pacephia	Weight carried.	Recorpts	(cetimated)	éwan maka	Conohing	M+ tc lean	Total		
		Es A P	Mos s	Rs A t	Bu A P	Rs A F					
Potal traffic for the week.  Or par mile of railway  For provings a week of half-	25.9 PAS	J#11 1 11		1 78 311 7 R 418 B 11		30 17 3 1 17 192 (t. 5	81 1701	107 7712	171 2411		
Age	190 279	. 70 (7) 11 0	2× 15 548 18	8*17 <sub>F</sub> J 18 G	21 207 11 6	013794 4 0	hā 212}	100 HAU	171,00%		
Total 2 weeks	F1S 02	11 JD 027 E* ()	8T 97 To 5 20	192107 3 1	<b>60</b> 256 0 s	201020 8 1	127 6422	J11 0532	314516		
Companison.											
Total for corresponding work of provious year. Per mile of rationsy corresponding	1 21.1079	2,43 51 4 0 10		1			64 44.03	110 5 7	777 899		
becaper hach Local to consecutation days at meny of blessions desk	44 VS2)	5,07,117 12 (	1	19 17 2	1	117291) 14 4	150 001	244 0 90	171 537		
		,						_			

<sup>&</sup>quot; The encrease in Conclude, to others principally due to the Combb Mole at Albahabad

Approximate Statement of gross receipts of the First Indian Railway, prepared in according with Public Works Department Circular No AAI Railway, duted 23rd July 1883

	PIS FOR WHEE I			ROLW BOT REP			i akunipen pad 18% to 15Th Ja 1887		Tota April	L RECPIEFS TRE 1897] : [Hill ] : Lone	יינאר אורורי	<b>1</b> ctul	Lotal
Mean mileses worked	Mocupie,		Ment wished	Receipts	Por 1915 wasked		Total secrepts	PCI mile worked pci veck	Mean milongi watked	l'ota] receipta	Per male warked per year	1803-315 1858	dot tribe in
¥	<b>♣</b> 3a.	Re		Sta	Ro.		Rı	Rs		Rs	Ke	R	Re .
1,515	<b>\$4</b> 00 526	840	1514	10,4" \$ 28	00	1 515	3 67 21 63 4	791	1 617}.	551,17 971	(In		1 58 H7H

#### PATNA-GYA SI ME RAILWAY

Approximate Return of Traffic for nick ended 14th January 1868, on 57 miles open

			_						-
	Солендно	Trappiq.	MERCHANI 194. The P	BIG	Other enturing	Total	1 MARING	TRAID-EILI	BLL
	Number of papers ngars	t gelithe records	Weight parried	Recoupts	(estimated)	ealning	Conclude	Verchan quan	loteJ
		Its a p	<b>1</b> 109 8	Ds A 1	Be a s	Вч д Р		<u> </u>	_
Total traffic for the week. Or per min of railway For provious I work of half	13780 23	7161 1 0 125 7 2	9 615 10 (40 10	2041 15 U 34 9 S	25 5 0 0 6 6	124 8 11 5 136 8 0	1.71	621	3 9/14
For provious I work of half	12/37	6.601 6 0	#15 36	1 547 3 0	30 14 u	8,519 6 0	1 753	b42	2,394
Total for ? weeks	Ju 567	15451 9 6	66 460 ()	8,932 1 0	51 1 0	17 838 13 0	3 825	1.403	4,788
Comparisor								i	
Total for corresponding we lead previous 34 81  Per tails of railway correspond	10 7971	5 25 7 T		2 165 16 0		r 454 14 7	1,716	K56	8,812
Total to ourselveding date of grant to ourselveding date of	25,0004	64 16 16 11 . 11 & 160 11 .		44 13 7 5,978 1 0	# 10 6 7H 6 3	157 G s	1	1,061	5,504
	-	-	1	-	1		1		

proximate Statement of grow receipts of the Patna-Gya State Basimay, prepared in accordance with Public Works Department Civilian No XXI Italiway, dated 23rd July 1888.

				4	. 41 (47 2			Sens to C. De.	MOTOL D	419 20701			
=	<del></del>		_			<del></del>	= ,	——		-			-
* RECEIP	es pob w ppe u Jakl kri	1867 1867		R FOR WEEK		Δı	TRECPIPED PROPERTY IN THE SECTION OF SECTION		A:	L EBCRIPTS FEG PRIJ 1857 TO 14 JAMPARA 1888	111	Total	Total
Yeard Baidenses Worked	Receipts	m le	Minn torfenze workid	Beceph	Per mile worked		Total recorpts		Mean mileage worked	Fotal recepts	Per valle worked per work	1998 33014044-10	degrade (1) 1884
		1											
	lin.	R×	1 F	Ri	Ra	1	Ra,	Ra	j	Re	Ba		The contract of
87) al	24,0	117	47)	9 120	119	671	F 40°708	179	873	3,96,480	160		26,309
4	<del></del>	<u></u>				<u>'</u>	<u> </u>	-			·		

#### DILDARNASAR-GHAZIPUR STATE BAILWAY.

Approximate Return of Traffic for week ended 14th Junuary 1888, on 13 miles open.

And the second s	Сотента	vumber of Coaching Wat				Other enrisings	Тоги) енглінца.	Thatbic Thath-Rilbs Roy,			
	Sumber of paixengers.	Costelui Fecciu		Weight carried.	Beceipte.	(estituated).	TOTAL SALIMAKA,	Conching	Merchan- dine.	Total,	
		21.	á. P.	Man m	Rs. A.P.	Eq. A. P.	Ra. A. P.		1	)·	
Total traffic for the week Or per mile of railway	4,631		12 0 16 8	22,380 An	575 14 0 47 15 10	30 A 0		3563	448	4884	
Agg in or or in	2,644	485	10 0	20,540 20	401 7 0	7 0 0	RIS [ 0	315%	149	4907	
Total for 2 weeks	6,679	1,179	0.0	44,091-10	055 6 0	17 8 0	2,174 3 3	Ø1	* Lyst	Der	
COMPARISON.			`						37		
fotal for corresponding week of previous year For mile of railway corre-	£020,£	363	2 10	i 18,569 20	482 4 0	810 0	RO4 3 7	56.0	188	898	
aponding week of previous year Total to corresponding date of	pa1 4.1	\$0	4 8		36 0 4	0.17 9	67 6 4	****			
Districts Ages,	4,0281	813	ia 2	40,006 90	1,043 15 0	14 G 3	1,901 1 a	713	314	1,037	

Approximate Statement of gross receipts of the Dildarnagur-Chazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dawd 23rd July 1883.

	TS. FOR WRRE IL JANUARY I			eta von Wrek M January II			& RECEIPTS PRO PRODUCTION TO D JANUARY 1887	5411	Att	RECEIPTS FRO BLL 1887 TO 187 JANUARY 1868.		Total	Total
Moun milesen worked.	Receipts.	Por mile worked	Mean indinare worked.	Receipta.	Por with worked.	Mean nalmace worked.	Total receipts.		Mean nulcuse worked	Total recorpts,	Per inda worked per week,	1965.	docrease in 1868.
	Ra.	Ba.		Ra.	Rs.		Re.	Rs.		}   Ru,	Rs.		Ra.
15	804	67	13	1,310	111	19	87,042	78	12	37,645	76	52 p	get,,,

#### SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th January 1888, on 744 miles upen.

	COACHING	Trappic		Менскантыя. Тнат		Other earnings	Toral extrange.		Prain-migh	FRUK.
	Number of passengers.	Coardii rerespu		Weight carned.	Receipts.	(estimated).	I carried an Lindike	Conchrug.	Merchan- diss.	Total.
		Ra.	A. F.	Mos, g.	R6, A. P	Re. a. P.	Rs. 1 P.			
Total traffic for the work Or per mine of sailway	4,416	5,548 47	8 n 5 3	82,794 6	5,378 14 0 71 18 6			G6.	1,7µ	2.404
Jent	4,468	3,379	2 1	87,784 30	6,850 7 0	98 30 H	8,828 3 0	659	1,960	2,600
Total for 2 works	E,884	£,p10	5 0	1,70,528-10	10,724 6 0	224 3 0	17,847-15 0	1,323	4,650\$	5,013
Ophramieox.										
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ing week of previous year	a year	61 1	i3 3	plann	81 8 11	2 1 1 2	131 9 4	*****	101	Manager,
bleatent heat " " "	19,875	8,37R 1	1 5	2,26,421 - 0	12,879 % 0	201 11 0	20,146:11 5	1,512	2.700	4212

Approximate Statement of gross receipts of the Sindia State Bailway, prepared in accordance with Public Works

Department Circular No. XXI, Bailway, duted 23rd July 1883.

Nadur.	PTS POR WHEK TH JANUARY 1	ending 867.	Ruckiy 14T	ta for when ! E January 18	ryding 168.	JANUARY 1887. JAFURY 1885.				icii	Total merense	Total decrease	
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	ite; 38,467	its. 365	762	2tu. 9,0pō	Ra.	745	Ra. 8,05,757	<b>建</b> 业, 1 <b>d</b> 41	746	ita. 3,52,971	Re. 116	K:: 44,514	, aspa

### TARKI SSUR BRANCH RAILWAY

Aprilorimate Return of Traffic fo week ended 14th January 1888, on 2 4 miles open

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		E# A P	Nos d	ius A 1	[ MAJ	Ra L P		] .	
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Approximate Statement of grass result of the Letter to Branch Rules of proposal or residual with Public Works
Department to restrict to AAT Rule of State of State 1883

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#### TASTERN BENGAL STAFF RAILWAY

(INCLUDING N B. DACCA K O'D D. AND ASSAM BUTTAR STOTE INS)

Approximate between of frafts to neer ended 7th Jonuary 1888, or 1 to miles open

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#### TINANCIAL YEAR

Approximate Statement of ar we receipts of the Fastern Bengal State Railway

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JASUARY 1687  Mean mileage worked		Receipta 'n	81	RICHILIA PROB ILLE IN 10 H JANUARI 1887 Total Richida II Wille	Tak mala Worke a 10 haq gar works	Colar reci ipte	Ina Mosfed Turps Lon	Total Indrane (a 1887-88,	Total decrease in 1807-88,
RA 117192	Sti LR		Rs 240 606	Ra 64,50 -13	Ba Rul 848	Re 76,87 536*	Re 299	Re.	
	_		_ [						

#### BENGAL CENTRAL RAILWAY

Approximate Return of T offic for need ended 7th Jounary 1898 on 1 '5 miles open.

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	Coat mino	fraefic.	- (RA)		ՀՀԵՍԿ բերբուրդագա (լամերոսի անչ	T	THAPPI	Train-wilds run,	
gan as Asgentianistaningen en	Number of pages	Carling	Weight Circled	Rocepts	(List) (List)	COLUMN IN .	1 achine	Merchan- Total.	
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fitation tweek	21 63)	7 (0) 0 0	- i u	9(9 9 0	*# 0 g	11 \$01 tt T	10	1700 6 210	0
COMPARISON									
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#### FINANCIAL YEAR

Approximate Statement or gross receipts of the Rengal Central Railway

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	Rs	K.	_	Ra	Re		Re	Кı		] lis	129	Rs	
128	10 003	80	125	11 111	11	125	4 37 048		1.5	B1(18*	191	67 SR)	14
		· –		_	1					-	1		

<sup>\*</sup> Audit d up to work anding (th Nov ) that 1887.

DACCA STATE RAILWAY

Approximate Return of Profits for me & ends & 7th January 1988 in 91 miles oven

	Соления	o laarr	¢		THYRITC THANKS IN THE STATE OF STREET			g letal is a nas	I MAPPEO I MAIN WITHOUGH		
	Yumber of passes upote	( sin h focul,		Neight intrio	Riccipta	(cs iii kti	,		1 to family	Mri han disc	1 ota
		Ra	A E	Vine 1	So a P	Ra a	p	Ray			
obal traffic for the week First male of explains or nearly gowelks of half Jan	1 \$ 527 10J		п п 0 0	547 () 810 ()		5 h ii		817 a a	3 (C)	603	2 (4)
Total for 1 week	13 177	5,- 1	0 0	24 250 0	4 82 b 0 II	0.0	()	917-0-0	2 11	803	1 96
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#### FINANCIAL YEAR.

Approximate Statement of gross receipts of the Ducca State Railway

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Lieste Parte	Венери.	Per mile worked	Mean miouse worked	Жескірі і	Per n fin worked	Mean nulsage wested	Total receipts	Per male per yered week	Mize full ke		Fee mile worked per per	isersee in	ds6rmp-8 18
	jia.	Ra	4	Re	Bı		Ra	Rs		Ra	3.4	ke	
L	4/kr r		86	8,12)	95	86	2,01,624	59	90	2 10 021*	70	¥8,4± D	

### ASSAM-BEHAR STATE RAILWAY.

#### (PURNEAR SECTION.)

Approximate Return of Traffic for week ended 7th January 1888, on 39 miles open.

	Соления	TRAPPIC.	Menchandian Trap	IND MEEBAL PIC.	Other carnings	Total earnings.	Thanke Trash-milms Run.			
	Number of passengers	Conclaint receipts.	Weight carned.	Beceipta.	(MM) maria).		Conching.	Marchan- dise.	Total,	
		Цs. л. Р.	Мъя. в.	Na. A. P.	Re. A. Y.	Rs. a. P.				
Potal traffic for the week Or par mile of railway For previous — weeks of half-	2,7%5	895 P 0 25 0 U	15,979 0 880 0	1,349 0 0 56 0 0	10 0 0	2,284 0 0 89 0 0	64A	846	1,000	
App. the on or		+4		*****		age side	1-1- H	14ress	11744+	
Total for 1 week	2,785	880 0 0	15,078 0	1,348 0 0	10 6 0	2,193 0 =	\$1G	Bis	1,000	
COMPARISON.								_		
otal for overesponding week of previous year or mile of railway correspond-	21.614	11994		19441-	-111111	*****	NII	,,	Фен	
ing period of previous year	1110-4		171-41	-4 )-64 8	124 11	114141	444 =+=	***1111	M+1M	
DAGAKIMA AGBL "			** ***				474144	061139	10 11 11	

#### FINANCIAL YEAR.

Approximate Statement of gross receipts of the Amam Behar State Railway.

Bacar	PTS FOR FIRST DY JANUARY 18	N 19476		I JANUARY IS		TOTA	L RECEIPTS FROM 11 1986 TO 8 DA JANUARY 1887.	YS OF	1	AL RECEIPTS FRO APRIL INST TO TH JAKUARY 18	HR.	Total increase	Total decrease
Mesn miles worked		Per trule worked.	Ments milwage worked.	Receipts.		Mean mileage worked.	Total receipts.		Wears milespe worked	Potal receipts.	Per fulle worked per week,	in 1847-96,	in 1887-68,
	Ra	Ra.	i	Re.	Rs.		Ru,	ks,		Bu.	lia.	Ra,	
*****	96.84 p.p.	-4-141	30	2,285	50				.59	89,781*	B8	85,781	HI i

Audited up to 5th Nevember 1997.

#### NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 11th January 1888, on 274 miles open,

The state of the s	COACUING TRAPPIC.			M	Merchandike and Mineral Trappic,				Other earnings		TRAFFIC TRAIS-MILES BUS.			
	Number of Carching Weight Recoipts. (estimated), estimated, estimated.		Couching.	Merchan- dise.	Total.									
		Re.	A. P.	.	M2-8 5.	2,,	i. Pi	Ba. a	, P,	Re. A. F.				
Total traffic for the week Or per mile of radiway	2,743 101		n n		15,297 0 to 65	870 31	n n 15 0		0 p 5 p		500	254	763	
For previous 1 week of half-	2,519	903	8 9	į_	92,127 D	1,104	0 0	16	n n	2,173 ₪ 0	500	254	763	
Total for 2 weeks	8,000	1,836	# 0	_	97,423 0	2,064	0 0	26	(F (I)	4,025 0 0	1,018	604	1,628	
COMPARISON.														
Zotal for corresponding week of previous year.	2,533	<b>075</b>	5 H		19,472 20	905	1 0	12 1	H 1)	- 1,702 14 o	500	2784	787	
Per mile of railway correspond- ing week of previous year	BS	32	8 0	١.	715 0	38	4 0	0 1	7 0	66 13 0	191999	449401	100000	
total to corresponding date of	6,179)	1,794	8 9	(	41,401 20	1,928	2 0	80 10	0 0	3,759 32 0	1,090	746}	1,086)	

#### FINANCIAL YEAR.

Approximate Statement of grow receipts of the Nalkati State Railway.

BECRIPTS FOR WEST REDIEG BECRIPTS FOR WEST ENDING APRIL 1865 TO 15TH APRIL 1867 TO 15TH JANUARY 1881.  TOTAL RECRIPTS FOR WEST ENDING APRIL 1867 TO 15TH JANUARY 1888.  TOTAL RECRIPTS FOR WEST ENDING APRIL 1867 TO 15TH JANUARY 1888.													
Mean micher worked.	Receipts.		Mean mileage worked.	Кеспры.		Mean ndleage worked.	Total receipta.		Mean mileupe worked.	Tatal mosipus.	per week.	Total increase in 1507-58.	Total decrease in 1667-89.
	Ra.	Ba,		Rp.	£a.	•	Ba.	Re.		Йa.	24,	la.	
273	1,793	66	117 <u>2</u>	1,962	-	37)	65,871	50	\$71	, 79,191	és	8,980 1	

#### TIRHOOT STATE RAILWAY

Approximate Return of Praffic for the week ending 14th January 1998 or No miles upon

-======================================							
	OUACHINO	Tha "Pic		Ald Mingrei	Office entr no	T <sub>H</sub>	і. Твату м тружов,
	Number of passengers	Canclang receipts	Willat testro-t	Receipts	( st mate d)	Contracts Confine	ne   M hatte   Total.
	i	Rs A P	! 1 Made ક	hs a r	RHAP		
fotal traffic for the week on 259 miles open Or per mile of radway For previous 1 week of hill	40 t <sup>o</sup> t 10d	14 775 0 0 56 4 0	2 16 FP 0 51 0	20 47 S. Ay 10 82 21 19		40 ] 0 B	5 300 14,414
ymit	36.871	3266 0 0	1 11 (25 6	15 (28 0 0	4012 0 0	\$4.60 0 0 163.45	7 177 1 184
Total for 2 works	75,202	27.2.7 (6.0)	4 04 189 (	42 480E (L. D.	864 0 0	7 16 0 0 1	1 1 67 77, 78
Comparison							
Total for corresponding wook of provings year on 146 miles op it. Per mile of callway correspond.	314.0}	32 96 ) 30 4	1 (0 5 (1 20	15 79 111 0	9 870 14 8	2781 6 2 53	7 177   10 168 <u>0</u>
ing week of previous year Total to corresponding data of	136	7.8 N O	653 6	11 0 0	6 2 0	L-3 10 0°	
previous year	20 508	6 414 1 8	3 37 7c ) (i	32 "46 11 0	7 3 17 35 7	P 120 14 0 12 3	if [0 5 71.74]
			_	_	' '		

<sup>•</sup> Steam-boat earnings excluded in calculating - Lotal cathings per mile of Railway

#### FINANCIAL YEAR

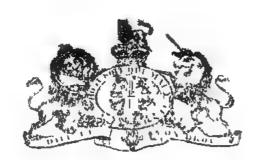
Approximate Statement of grown receipts of the Terhoot State Railway.

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BR. 33				_	T	,					7		
	m por the wei Th January			th por well in January			RECEIPTS FRA PRIG THE TO U	\$1 II		j rrchieth fro Pris 1897 to 11 Tanlard 1889	11		
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1	Re	Ra		,Ru,	Ba.	ļ '	Re	Re		Ra	Rr	Ω.	
368	39,7%	193	200	10 520°	176	246	62,35 160	177	2°0 Kô	134× 43	В	133122	
			,		'-	' - '		'	'		- '	-	
			13	ARJEEL	[NG-11]	MALA	YAN BAIL	WAY	COM	ANY LIM	LED	Rs	
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		R. ee	nte from	n let to 7:1	Jonnson	r 1888						4113	

		ek last yes		s Litter enement					J,	979
Increase		**		11	***					153
		to 7th Jan anuary 188								113
Increase				***						51
Miles open, week ending 7th January 1888 , t'omesponding week last year								Male 61 51	l	
leceipta p Iorreapond	er irile oj ling week	ocn, week (	ending 7th	January 18	388	48		165 81 78	0	Б 1 1
noreasc	49-1	**	200	**	,	144		.}	ti	0

Curry Office, D.-H. Ry., Darbeling, the 20th January 1888.

(Illegible) Acting Secretary D H Rv.



## SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, FEBRUARY 1, 1888.

#### OFFICIAL PAPERS.

Non Subscribers to the Cazzier may receive the Soriernist separately on payment of Six Roseer primming lettered in Calcults, or Packer Rupeer of sent by Post

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#### TEXT-BOOKS FOR VERNACULAR MEDICAL SCHOOLS.

#### GENERAL DEPARTMENT-EDUCATION

Calcutta, the 27th January 1888

#### RESOLUTION

RI-READ -

Resolution, dated the 13th December 1980, on the subject of the selection of Vernacular Text-books in Medicine and Surgery.

A letter from the Director of Public Instruction, No. 299 diffed the 10th Junuary 1888, and enclosures The Director forwards the report of the Yemundar Medical Text-book Committee on the Bengah translation of Roberts. Hand book of Medicine by Baboo Gunga Prosad Mookerjea, Br. and MB

In paragraph 5, clause 3, of the Government Resolution, dided the 13th December 1880, on the subject of the selection of vernacular text books for Medical Schools in Bengal, it was stated as follows :-

"Under Practice of Medicine the treatise by Baboo Gunga Provid Mookerjea, B.L. and M.B., in Benguli, may be adopted. If Roberts' Hund-book of Medicine is translated by any one, it will be open to Government to substitute it hereafter. But no reward need be offered for any such translation."

Baboo Gunga Prosad Mookerjen, B.L., M.B., has translated into Bengali Roberts' Practice of Medicine, and the translation has been approved by the Medical Text-book Committee. The Lieutenant-Governor is, therefore, now pleased to declare that the translation is approved by Covernment as the Text-book on Medicine to be used in Madical Schools in which Bengali is the medium of instruction.

By order of the Lieutenaut-Governor of Bengal,

P. NOLAN,

Secretary to the Govt. of Bengal.

TO THE CALCUTTA GAZETTE, FEBRUARY

#### SCHOOLS TEXT-BOOKS FOR VERNAOULAR MEDICAL

#### GENERAL DEPARTMENT,-EDUCATION.

Calcutta, the 27th January 1888.

RESOLUTION.

READ.

A letter from the Director of Public Instituction, No. 356, dated 16th January 1888, and its enclosures, regarding text-books for veruscular medical schools.

The Director of Public Instruction has recommended that Baboo Nilratan Adhikari's book on Haman Physiology in Bengali, which has been approved by the Vernacular Medical Text book Committee, should be adopted as a text-book in Physiology in those medical schools in which the medium of instruction is Bengali. The Lieutenant-Governor approves the Director's recommendation.

ORDER -Ordered that a copy of this Resolution he forwarded to the Director of Public Instruction for information, and that it be published in the Calcutta Gazette.

By order of the Licutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Goot of Rengal.

#### MODIFIED FORM OF RENT RECEIPT TO BE USED IN CERTAIN AREAS IN PERGUNNAH BARBAKPORE IN THE RAJSHAHYE DISTRICT

#### REVENUE DEPARTMENT—LAND REVENUE

Calcutta, the 30th January 1888

#### RESOLUTION

READ-

Letter No 661 Ret., dated 7th October 1887, from Commissioner, Raishakye Division. forwarding for orders a petition from the Raja of Doebulhatty praying for espection to modified form of rent receipt

Read also the following correspondence on the subject of making a survey and record of rights in the estates of the Rajah situated in the Rajahahye district :-

- (1). Letter No. 104 Ref., dated 27th April 1846, from Commissioner of Rajshahye, and enclosure.
- Government order No. 309T-R, dated 17th May 1886, to the Commissioner.
- Letter No. 556Ret., dated 2nd September 1886, from Commissioner of
- (4). Government order No 1372T-R, dated 14th October 1886, to the Commissioner.
- Government order No. 725-281LR, dated 7th March 1887, to the Board of Revenue.
- Government order No. 1226-469LR, dated 19th April 1887, to the Board of Revenue.
- Board's No 331A, dated 4th May 1887.
- Government order No. 1702-655LR, dated 28th May 1887, to the (8) Board of Revenue
- Board's No. 457, dated 1st July 1887.
- 499A, dated 21st July 1887. (10)
- Government order Nos. 2647-48-942-43LR, dated 29th August 1887, to the Board of Revenue.

In consequence of disputes between Raja Harunath Roy of Doobulhatty in the Rajshahyo district and his ryots in the Barbakporo pergunnah regarding rates of rent and areas of holdings, both parties made application to the Collector of Rajshahye that a survey should be made and a record of rights prepared in respect of the lands comprised within the estates named in

- No 162, Kishmat, pergunsah Barbakpore.

  " 165, Gungarampore, pergunsah Barbakpore.

  " 167, Doorgapore Taraf, do. do.

  " 169, Madnapore Taraf, do do.

  " 1829, Chak Kahdas and Raghunathpore, pergunsah Barbakpore.

the margin. It was further proposed by the parties and recommended by the Commissioner that, pending such survey and settlement, the ryots should make lump payments of rents without insisting

on specification of details in the receipts granted, and that a form of receipt should be used, to be approved by the Lieutenant-Governor under section 56, clause 3 of the Bengal Tenancy Act. The survey having now been commenced,

the Lieutepant Governor sanctions the use on the estates specified above of a rent receipt in the following form :-

क्रीम क्रद्रशवां वादर था जामानि वभीन करणजा वांदर शांकां गांवि ह्रशंभवर् **श**द्र शन যৌজা (मोका ख्योशक क्षमान আগার নাম श्रीकार मान পিভার লাম পিডার হাম খালানা (73 থাকান ७कृव ₹: আদায়কারীঃ আকর আদায়কাবীর স্বাক্ষর টাকা দিবার ভারিথ টাকা দিবাব ভারিখ মন্তব্য।—এই খাজানা ১২৯১ সালের পেট্র কিল্ডিব পর ক্রমানার यसवा !- এই बालामा >२৯५ गाटनर (लीव किन्तिन शर क्यांनाहर হিনাৰ অনুসালে মুজ্বা গ ড্বে ছৎপুৰ্ব ছণানাৰ মুজ্ব হিলাৰ অনুবাবে মুক্তা পড়িবে তৎপূর্ব জনানাং মুক্তরা FORM OF RENT RECEIPT. Receipt for money on account of rent, &c Receipt for money on account of refit, &c

Pergunnah

Moussh

Landlord

l'enant's name

Father's name

3ent

In words.

ligasture of the receiver of rent

late of payment

Bunanes.—This (payment of rent) should be commented demands subsequent to the Pous hist of 1991.

Pergunnah

Mouzah

Landlord

Tenant's name

Father's name

Rent

Total

In words

Signature of the receiver of rent

Date of payment

REMARKS.—This (payment of rent) should be debited against demands subsequent to the Four hist of 1291

The sanction now accorded will be withdrawn on the completion of the

survey and record of rights. Onder. Ordered that copy of the Resolution be forwarded to the Board of Revenue for information and communication to the Raja of Doobulhatty.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengal.

#### RESOLUTION ON THE ADMINISTRATION REPORT OF THE COMMISSIONERS FOR MAKING IMPROVEMENTS IN THE PORT OF CALCUTTA FOR THE YEAR 1886-87.

#### MUNICIPAL DEPARTMENT-CALCUTTA PORT TRUST.

Calculta, the 31st January 1888.

#### RESOLUTION.

RLAD-

The Administration Report of the Commissioners for making Improvements in the Port of Calcutta for the year 1886-87.

During the year under review, the consolidated debt owing to Government was reduced by Rs. 1,13,346, and a sum of Rs. 96,300 was invested on account of the sinking fund for the debenture loans raised in 1881, 1883 and 1886. On the other hand, the Commissioners received from Government, in addition to advances already received by them amounting to Rs. 23,75,000, turther advances to the extent of Rs. 31,00,000, to enable them to proceed with the construction of the Kidderpore Docks. The total debt of the Port Trust on the 31st March 1887 was as follows:—

	${ m Rs.}$
Consolidated repayable debt due to Government 4	(43,335)
	7,65,000
Due on 41 debenture foun of 1881 I	0,00,010
Duo on 11 ditto of 1883 2	6,00,000
	000,000
Recoverable advances received from Government for Dock	
works to end of 1856 87 5	4,75,600
fn.4.1 1 ~	0.01.005
Total 1.7	0,00.000

Against the above debt, the Commissioners estimate the assets of the Trust, consisting of reserve funds, property in jetties, wharves, and other productive works, and block at the close of the year, at Rs. 2,59,29,803.

- 2. The income during the year under Revenue Account, exclusive of the opening balance of the year, Rs. 3,94,621, amounted to Rs. 23,08,183, against Rs. 21.66,136, the income of the previous year. The total expenditure, including payments on account of sinking funds and contributions from other ports to Part VII, "Port approaches," was Rs. 27,80,763. The account therefore closed with a net credit balance of Rs. 3,87,041 on the 31st March 1887. Under Capital Account he receipts, including the credit balance of Rs. 1,26,502 at the close of the year 1885-86, amounted to Rs. 40,35,203, and expenditure to Rs. 32,99,924. The expenditure was chiefly on account of the new Dock works.
- 3. During the year the tea warehouse at Armenian Ghât was completed at a further cost of Rs. 4,54,045. The sum of Rs. 1,78,920 was spent on alterations made in the petroleum wharf, and Rs. 41 351 on the Howrah foreshore.

Money having been advanced by Government, work on the Kidderpore Docks steadily proceeded. The sum of Rs. 20,41,718 expended on these works formed the largest item in the total of Rs. 27,63.446 spent on new works

Both the income and the expenditure under Part I, "Jetties," increased, with the result that the net revenue was Rs. 4,763 less than that of the previous year. The income from exports slightly increased, and a sum of nearly Rs. 50,000 was realized on account of the petroleum wharf. On the other hand, there was a decrease from "imports" due partly to the space available for trading ships being taken up by transports for Burmah, and partly to a reduction in the rents charged for the upper floors of the new warehouses. The carnings from the floating crane also decreased. The increase in expenditure was due to interest charges on capital expenditure, which much more than covered a saving of about Rs. 10,000 in working expenses.

5. The total amount of the receipts from the Inland Vessels' Wharves was Rs. 4,41,103 against Rs. 3,93,587, the receipts of the previous year, but an increase of Rs 45,159 in the charge for interest had to be paid out of this increased income, nearly thirteen lakes out of the loan raised in the year

1885-86 having been spent on these wharves. The net revenue was thus Rs. 1,55,098 against Rs. 1,47,146 in 1885-86. It should be noted, however, that out of this net revenue Rs. 67,171 was paid on account of Sinking Fund on loans.

The receipts and expenditure on account of the Strand Bank Lands amounted to Rs. 1,71,450 and Rs. 1,05,778 respectively, against Rs. 1,73,342 and Rs. 1,06,371, the receipts and charges of the previous year. The collections from the Strand Bank Lands belonging to the Trust amounted

to Rs. 65,672 as against Rs. 66,971 in the previous year.

There was a large increase in the gains of the Harbour-Masters' Department from the hire of moorings. This was chiefly nominal, and was due to the fact that an unusually large number of vessels which had entered the port during the previous year had their accounts adjusted during the year under review. There was also a saving of about fifteen thousand rupees in expenditure, so that the net revenue this year amounted to Rs. 94,806 as against Rs. 3,045 in the year preceding.

The income of the Harbour-Masters' Department amounted to Rs. 5,97,237 against Rs. 5,21,061, the income of the previous year, showing an increase of Rs. 76,176, nearly all of which was due to larger collections on account of mooring hire. The expenditure of the year was Rs. 5,02,351, or Rs. 15,665 less than the expenditure of the previous year, the principal saving being under Dredging Account. The net revenue amounted to

Rs. 94,886

7. Only eight vessels met with accidents while in charge of Assistant Harbour-Masters during the year, none of which were serious, and it is satisfactory to observe that in no case was the Assistant Harbour-Master to blame.

8. The usual examination of the moorings was made during the year, and those found defective were replaced by new materials. Three new moorings were laid, viz. two fixed moorings at Budge-Budge, and one swinging mooring in the stream below Fort Point. The total number of moorings in the Fort at the close of the year was 231, of which 180 were fixed and 51 swinging. The dredger was employed for 139 days during the year at a cost

of Rs. 22,122, the rate per 1,000 cublic feet dredged being Rs. 18.3.

9 The number of vessels surveyed during the year under Acts V of 1862, and VI and VII of 1884, for hull and engine certificates, was 265. The number of visits paid to them was 698. The number of passenger and emigrant vessels surveyed under Acts VIII of 1876 and XXI of 1883 was 73. Thirteen boilers and condensing apparatus for emigrant vessels were surveyed under Act XXI of 1883. Thirteen vessels were measured for tomage, and one for registration under the Merchant Shipping Act of 1554, and two vessels were measured for tomage under the rules for measurement of mland steamers and flats. Besides these there were during the year surveys of 10 vessels belonging to the Port Commissioners and 17 miscellaneous surveys. Only one ship was found to be unseaworthy.

10. The following table compares the number of passenger and cargo boats surveyed and licensed, and the number of manjees licensed during the

year with those of the previous year:-

				1886-87	1995 86
Passenger boats		***	44.4	1,661 5.861	1,808 5,913
Cargo " Manieea licensed	***	***	***	8,986	9,009
THE BUT DONE THE CHIRD	9.44	9.00		0,000	0,007

11. The Port Commissioners' Railway continues to show satisfactory results. During the year under review the receipts amounted to Rs. 1,70,151, being Rs. 9,708 in excess of the receipts of the previous year. A considerable portion of the increase was due to the opening of the Jubilee Bridge at Nathatty, which brought additional traffic to the line. The expenditure, which was higher than that of any previous year, amounted to Rs. 1,24,649. The net revenue was Rs. 43,502. At the close of the year a new agreement was entered into between the Commissioners and the Eastern Bengal State Railway for the working, for a further period of three years, of the through traffic on the Commissioners' riverside line

13. The channels leading to the port were kept clear, and the light-houses and light ships preserved in good condition throughout the year. As in the previous year, the only obstruction to navigation of any consequence was caused by the Nynan Tracts. A complete survey of the river from Jiggerkolly to Saugor, and thence to the Bell buoy, was carried out during the year, and this kept the surveying vessels all fully occupied. It was reported to Government at the end of the year that there were no stores at one of the Refuge houses, but this case must have been exceptional, as the present report shows that since the close of the year the houses were visited,

and that the stores were found to be in good condition.

14. The thanks of Government are due to the Commissioners for their vigorous management of the affairs of the Trust.

By order of the Licutenant-Governor of Bengal,

COLMAN MACAULAY,

Secretary to the Government of Bengal.

# ESTIMATED OUTTURN OF BHADOI GROP AND WINTER HARVEST OF 1887-88.

No. 51 Agri., dated Calcutta, the 10th January 1888.

From-M. Finucane, Esq., Director of the Department of Land Records and Agriculture, Bengal,

To-The Secretary to the Government of Bengal, Revenue Department

I have the honour to submit the report called for in your No. 408-9Fam., dated 8th February last, on the estimated outturn of the bhadoi crops reaped in August, September and October, and of the winter rice crop, the harvesting

of which is now being completed.

2. The figured estimates of area under cultivation and of outturn of crops have no claim to statistical accuracy. They represent merely the opinions of local officers, who supplemented the meagre statistical information as to areas under cultivation with each crop to be found in efficial compilations relating to the districts of the Lower Provinces, by such further information as they could gather from zemindars, European planters and managers of Government and Wards' estates. Considering the necessarily imperfect manner in which such estimates as these have to be framed in Bengal, they must be accepted with caution, as being in reality little better than guesses. They may, however, as representing the best local opinions regarding the areas to which they relate, be of some use to traders.

3. The last rainy season was generally one of deficient rainfall throughout Bengul, and mainly for this reason the outsurn of bhadoi crops was as

rule seriously short of the normal.

4. The outturn of the rice crop is reported to be less than the normal in 32 out of the 44 districts of the Lower Provinces. In five districts the present year's crop is reported to be normal, and in seven, some of which suffered from floods last year, the outturn will be better than in the proceeding year. On the whole it may be said that the outturn will be somewhat less than the normal, but the deficiency will probably not be more than 2 annas.

Sudder sub-division of Poores.
Nowada (Gya)
Sudder sub-division of Nuddea.
Ranaghat (Nuddea)
Ranaghat (Nuddea)
Sudder sub-division of Bankoora.
Jehanabad (Hooghly)
Sudder sub-division of Gya
Sudder sub-division of Gya
Khurswan (Singbhoom)

Khurswan (Singbhoom)

Sudder sub-division of Gya

Tecently visited the State of Angul, in parts of which an almost total failure of the rice crop was reported, and, after enquiry on the spot, am of minimal that any special measures of Government relief will be required in them. I have myself which an almost total failure of the rice crop was reported, and, after enquiry on the spot, am of minimal that any special measures of Government relief will be required in them. I have myself which an almost total failure of the rice crop was reported, and, after enquiry on the spot, am of

opinion that an 8-anna rice crop was harvested in the worst villages, and an average crop in many. I do not therefore think that there is any necessity for starting special relief works in that area at present, and doubt whether any

such necessity will arise later on.

6. This report was due on 1st December, but I regret that, as Collectors' reports, though called for by the 15th of November, had not all been received by the 1st of December, when it was necessary for me to leave for Orissa, it was found impossible to submit it on an earlier date. A copy of my circular letter calling for reports on the state and prospects of the crops is annexed.

# STATEMENT I.—Estimated vulture of Bhalles harvest respect to stugent, September and October.

1	*		•	5 a	-6	7	а
Instrict.	Sate-division,	Total area of sub-division.	Form area estimated to be under cul- tivation.	Area tinder eat- tivation estimated to be under binated crops,	Name of principa blanded equipa,	Rationaled outlawn of bladed crops expressed in agreement	Remarks.
.4 11 14		Sq. narles.	Ag. miles.	Sq. miles.		1	
Burdwaa	Rudder	1,049	- <del>198</del> 9	148	Ans vice ,.	. 12 ppmas	sowing and harvesting time, and in place tear the larmondar river by floods also set!
	Rancestinge	(171	314	8	Ditto	. 12 ,	inter season. The crop was affected by deficiency of rain.
	Cutwa	861	274	\$2	Ditto .	. 13	ploughing and sowing time. Crop was affected by excess of rain at sowing time and want of rain before the harvesting time.
	Culna ".	478	324	47	Ditto	75 ,,	Oropuffected by want of rain before the ha
	. District Total	2,897	1,805	285	144 54		The erop in the district generally was injur- ously affected by want of rain at almost ever stage, and in some places partly by flood from the river Damoodar.
Bankoora	Sudder	1,921	676	86	Aus rico	12 cons	Deficiency of triufall shortly after the nowin
	Bishemore	700	280	42	Ditto	15	and transplantation affected to some exten- the outburn.
	District Total	4.451 Aug.	256	128	A1 10 72	1 11	
Beerbhoom	Sudder	1,108	66a	66	Alm rice	T2 mun <b>as</b>	
	Battaporehat .	614	188	48	4111-18	10	and sowing time. Suffered near rivers from inquistion.
	Itistrict Total	1,756	t,t50	111			
Midnapoce	Sudder .	3,297	2,763	405	Ans rav. til, ma ras, kadoo.	15 <b>ทกา</b> มเห	Flightly affected partly by the defelency of runtial when the grain was ripening an
	Contai	SH	511-6	-	Aus rico and biri kalni,	6	partly by floods in some portions of the fin- der sub-division.  There is very little ruttivation of bludes cro- in this sub-division, the lands not being suite for cuttention of such crops. In Comba
	Ghatial	321	200	12	Am rico		Egra, Poinspur, and Keitgree thann there we no cuttivation of header crops. The crop is said to have been affected h
	Tumlook	620	465	•	Ditto .,	1.0	Hoods,   No bladel crop of any kind except was grown   in the sub-division except in these Pend
	District Total	6,057	8,5.14	445			kura. The season was invourable to the au
Hoogbly					Acceptan	10	
100gaty	Budder	449	500	29	Ann rico		Four annua damage was caused by a deficience of rain during ploughing and two arms. (se from the same cause at time of sewing.
	Aisampore	242	200	•	Ditto .,	10 =	The rainfall was sufficient during the ploughts time, but deficient at -owing time, and rath inadequate helpers the harvest.
	Julanahad	438	행성	97	Ditto		blore was goal and timely rain both for ploughing and sawing but the crop saffers to some extent owing to floods.
	Howrah ,	175	134	5	Aun rica, jute	12	(1) Loss of about two names by deficiency of raiseful after sowing.  (2) Loss of about two names by floors.
	Oolooberink	363	251	18	Dilto		
	District Total	1,000	1,149	136	h		
-Fergunpahs	Sudder, Includ-	885	518	128	Aus rice	12 soman.,	The crop was affected by deficient rainfail at the time of sowing.
	pore. Diamond Har-	417	921	9	Dirto	16 _	I I I I I I I I I I I I I I I I I I I
	bour. Baraset	378	243	63	Disto	16	
	Bagirbat Bagrackpore Dum-bum	500 42 24	277 30 16	59 28 1	Ditto Ditto	12 = 14 12 .,	
	District Total	2,320	1,408	264	******	*****	
		/					
Choolns	Sudder Satkhira Bagirhai	096 702 679	191 511d 577	185 208 198	Aus rice	10 annes.,.	somewhat descent rain at ploughing time.
	District Total	2,077*	1,764	446			

<sup>\*</sup> Excluding the portion of Sunderbuns (8,500 square miles in all) lying in this district.

		1					· _ = -
, 1		3		Б	6	7	9
Distract	Sub levision	T til area of suit division	Talal ar a estimated to be un ter cul tivalion	Ares maler cul- fourtr n estimated to be mades blooder curps	Namo of principal	I tm  o the orticle cys (NES 3 man is	Practice
		Sq Miles	Sq Miles	by Mika		1	47
Need for	Sudder	701	\$24	\$124	Ans wes, jut   Chillos, Bugst   Cano	Ah i ti ticis	In Slin the little worth the control of a trible of a
£1	Aushtra	*F8	119	.03	Sus to tote kadao milipa Kada		this to the term of the term o
	Mela (p):e	C.7	15.1	942	Asseric kirds kan pet nids	10 to L	Till pril jes livitini
	Elvand ing i	417	21%	149	Ans more	Ab at 10	
	Ranaghat	4.7	4 ,1,	145	Diffe Jule In light	11 p ms	$\frac{1}{1} \frac{\operatorname{Restabl}(R)}{\operatorname{Restabl}(R)} = \frac{\operatorname{Restabl}(R)}{\operatorname{Restabl}(R)$
	District Total		181	1 1(0			i I
de santre	Sudder	581	511 ]	! ا۔	American July and	1 s 20 n 11 24	1
	Bir Da North	( jn 197	N.	10	An in Diff's	17	The property of the first property of the fi
	Magocra Daragah	lant gre	,, l	1	Ansire pil () and ind ( Austre)	16	1 S wrong till
	District Field	1 125	7 %				
Konnak eskubud	Suddo 1	74.7	118	13		10 ann is	 
	Lilhat Tunggras	; (1.5)	114	110   110	Ditto	11	Did it is the first of the firs
	Kaush	na l	80	34	Dilto	11	and the fra men
	District Point	1 1		1011			
Dinigcpare	Saddet .	s 41	190	211	Annua Inte	13 maaa 4 7	) the age of the still the west
	Pinkurmon	47	(*1)		Ans net Jun	1	of the terms of the second by
	Dustra t Tetal	1118	10)				
Ոսյտնոն չա	Sudder	H18	t 4 7	1	Ans rice Amen Marua Let Jule Indigo	1	The expression of the content of the little to the little
	hallore	617	1*1	115	Americo Kan	(t) (t) (t)	tals in the STL of ST the theory of the STL of STL
	Non-good	44.3	hot	41	Jaris (a) Ans (Ke) Into Int	*   *   11	JC editing form we reform the second of the first second of the fi
	thuiret Total	> 16.1	1716	491	A i m		SirplU() ds
Rusgnom	Kungpoh Nelphaniai Kungtan Gabania	\$ 480	2,798	807	Austico Juin	lf nan≱s	All the biggles crops buff and somewhat from the 14
Bogra	Bogra	1,648	1 91 3	292	Anglico . Inti	D ,	In 1 (soft of the entry part of the soft of the transmitted of the following the soft of t
						' '	/ -
Poins	Sudar	957	717	224	V State Inte	1 , !	$\leq g = \frac{1}{2} - \frac{1}{2} + \frac{1}{2} $
Polma	Sudaer	957 894	717 647	7A)	Inte		Sold to white a numerical flood before the form of the transfer of the state of the

1	2	3	4	_ ß		7	B
District	Sub-Alvesion.	Total an a of Rub division.	Intel or use engine control or the control of the c	Arra z nder ent rividion rividion rividion rividio riube nicket bita tot en ys	Anni if peminal Bhadoi cropa	Lshins lati outlern of blinder crops expressed th attes	Remarks
		So Mitas	No Miles	Sq Miles	1		
hahabad	ārrati	918	777	77	Austree May florge) The (small) Koth Maria Maria Non	} 4 a mar	The crop a conflicted by excessive causful the terror a wing and partly destroyed the true of a wing floods.
	Buren	850	<b>29</b> 6	21	The rest pala tions in the tions palar	а,	The or p was affected by want of rain a want to time in some parts by flood a some facts by man to afterwards.
	Bhabua	1,037	7 '5	!	is onlesses. If and with Moral pitera rant tal, and the	3 ,,	Whido respe were affected partly by an amount runtilles of another by an
	Sasa rad	1,4/3	1(0	135	Maroa Sima		sive failst til 2.3 August 1887
					Rada 1 d Kwa Obseri Indoneran Ingts	4 .,	The crops sufficed parily for want of ran Itin amignity in one agree parally a unundation in Yog ist
	District Total*	1-1-1	2 84-	211		    	* A portion of the Krimore Platent wild; mostly no alternologicacluded
rbhanga	विराद्धग्रेला ,	1 221	1 123	315	U kan horas Kodo Unrija	12 names 12 11 annos	The excessive major therms. Bhadra and A which is the time for historiagns of the low as a partial to the low as The mad at crop however, buff-ted mere,
	Րոյթա	764	(65	978	na hri fus (no Wicon Wicon Wicon Samu	10 12 14 10	of the 100 um were in bhalos about 87 or in which and observed \$5 00 is in idea the little of the complete by suite.
	Yadhubai	150	956	B0_	Camber Voke Maras Tuynee .	}10	
	Desirat Total	1,115	2 "68	87			
en <b>lle</b> rpusé	Мотицевать	1,218	973	481	t Maroa 1 Sabbi 4 Matri 4 Sania		Natus miliused from excess of raigials at somethic stands
	Haprepur .	771	€1G		A Re ta Nodo Podo I Maket 2 Marea 3 Sena 5 Kado 5 Kaon 5 Ural	10 azigum	The corp was affected by each was framinally the planethus and sowns was no, as also delicency of rain b fore havealing seas (August and Suph mbor 1987)
i 	Scinmped:	3,016	770	2aL )	Universe   Chive   Chi	12 19   ILV   14   14	Makes suffered slightly Born untimely ra a little more fata was wasted for so
İ	Dustrict Total	3,003	3,380	1 916			
ro.	*nober	996	846	212	tinim kode, ma- rus, janers.		The outliers of blades groups was not full own to exceed runfull at the time of near and uther quently on account of floods, see ers which shood accorded makin we come exten-
	*Ewan	853	728	212	Mahai, marus, sailii, kodo,	14 11	Owing to want of raisi in the end of dine a beginning of duly, and heavy rainfall sub- quently, the makes even was size.
	Gujalgorge	771	603	415	Makes rice mis- cellancens (not named)	16	
	Patrict Tol d	9 6.4	2 246	880			
in <b>po</b> park	Aogibası	3,010	1,306	400	Makab Sarin, kodo, Chrust and Kaon,	S arms	Aincental ruptiall during the month of Augu- when the ever was above ground.
	St. ( Conds.	1,700 <sup>4</sup>	1,277	1	nnes vica Vides, Vierus, Kodo	19 .,	Deficient michall just as the corn was formi
,	Destro 1 Total	J.921	1,648	5,569			

1	1	8	4	5	6	7	8
District	Bub-division	ींग्रही कर ह भी इसमें संग्रहाली	Total ages, entsmated to be under out tivation	Area unde col trigition refranted folk under blanter creps	Rame of principal blader crops	lsimit d cuttien of blucket oroganised cromased in annie	Unitablis
	<u> </u>	by miles	Sq milis	Sq. males			
Monghyr	Budder	1,459	1,001	615	Maka:	Barna Di	The male of which to the proncepal blands
	Begaserat	781	570	346	knon Choin Japora Maku Murua Kodo Kaon	10 ,	January
	James	1113	1,053	\$43	Nem a Makar Chota Janora, Rodo Marua China	14 ,.	
	Distaget Total	3 921	1719	1 193			
Bhagulpere .	budder	ध •ंद	this	163	Makus	б въщи	   1.55 doc to callesof to millipsc off to sowing   or distribed in seal and short come between
					Chiga Ana rite	}c ,,	The overe he have the first on dearaha
i	Banka	1,6%	8%	207	Mukai	10 н	untlinkh el ing o livelbore Li pinch renfall ut abwing lina wad too
		67.1	Stin	31.0	Austra Variat Mazira	12 . 12 . 10	1 hilk later or
ļ	Stade hpura	91.7	200		Makin	8 ,	Loss do 1s/ t Joonan Jeste at the sewing the - / L i birik fides weather later
	Palwaj	177-	9 (	<b>P</b> RII	Marus, Aus in c Muku	10 pm	Tweesave runn infull r 1 with we dime, and thus was short when cuts wite I having
	Distrut Tola	4 164	304	925			
Purneah .	Sudder	\$ 573	1,050	4.80	Aus ruo Makai Moong	12 unas 14 m 8 m	From Clean tall of the office green malion in discriming and be a dimage to make Some fines while to be even by or investing both. If we are in postume comp
	p Arraroah	\$40.2	7.10	202	l Austin 2 Jula 3 Marun 4 Mahun	10 ., 6 10	suffer draul from environ.  It is the was into the intentity of some some and in tentering of water and May are its wing for only to the tentering of the same into the same in the parties of the provided the provided the provided to the parties of the same and the parties of the provided th
	<b>Б</b> शिक्टपहरुगतुर्थ	3 <u>,</u> l&0	3 00%	120	Aus rica Janura,	10 ,,	large profits and execut and population (a) The we project and during pluggles by the (b) the way project and during sowing the following for fall the fall during to the fall during the fall during while the fall during while 1 to 3 the cope
					ý alo	10 19	(c) There was unas after a full during that a stime for the most derivated and ord of the last (for part of fully 1987) and hence the bland or of the u.f. a content factor was man in the dy have dramaged the oreh
					Ans vion but a luding gorns Juto Mulbarry	16 30	Durins plous for to the crops suffered to sense extincts the car is founded.
	Dustruct Total	4,956	Y (9) (4	908	hh h	· · ·	
Maldak	Whole dustrict	1,904		275			
Maldah							
Southal Pagal	Dunks	1,620	713	178	Maira Janera. Noong (polse)	)6qnnaa	
	Deoghur	P50	995	119	Mairo Lianent	19 ,,	
	Colda	pg6	919	180	Moong (pulse). Matte Janua	10 .	
	Rajmehul	740	555	104	Moong (pulse). Maizo Janora	10 ,,	Affected by it also let radingrees
	Jamtara	896	្ត នាង	41	Moong (pt lec)	ld ,	
	Palour	663	808	126	Janessa Mooray (pulso): Matzo	13 н	
					Moong (pulse).		
	District Total	6,461	8,884	748		j	

1	5	5	4	В	(	3	6
Darretce	Sub-devision	Point area of sub-divising	Potal area Minusted b bear for out ( val 2)	Area nule cul- traction connected to uni- tractions	Name of princips	l attimuted resident to the to the to the to	RMARES
Darjewing	The Teta	tsq and s	tr+	7 m h-	Augh es a strad jule	famas	(b) neutral of existing so empfold both a light of and sowing that the crops sails of a ground outling
	kalmpaug	64	!ખવ	1%	1 143 L		
	Durjochtus	S/A	211	а	Weili   Kid   S. J. I   Mar	14 31 12 8	ionseered beteeffin enere moore polamitt, हो। [िहास
	District Total	ji.			Ku I	<u> </u>	
\$ulpgon*	Bykuntpore perkonash	ניו	. 1	ř	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	) i nade	On m count of extense runfill (diverse)   Counting word flore corporation from   different actions
	Hode percun nali Patgram per gumpah	1 41	() (0		1 5 1 1 10 4 1 5 11 1 3 11	14 11 9	
	Mynasons er westil	1	1.7		hi sai log	H	Consider the galds with the state of the consideration of the state of
	Pulincotta teshi Alipiwa tehul	<b>1</b> 4	1 6	งใ	\		the role was spirit to influency by trending and a till to have to any a sea to influency by the period of the role of the rol
	District Total	451	21	<u></u>			
Deces ,	, *udder	1	Uł	ři.	Aux	_ nunes	The real parties of the state of the second
	Matuckgunge	450	fl.	, Lis	No L c	1c	t
	Munchigung	401	ا پائلید		lut t 3 4 15 4 Austre 12	14 14 11	the averand ductor races were algebra afficial to a firm of monthal moreover the authors are trees the installed moreover the authors and the control of the
				į	कार कर रस्ता ∯	11	terifich his  1 - sun in reuped at the close of the rain so it used for manufacture in losses. But is cuteff as a specifical.
	Maraingtian	<b>64)</b>	ll <sub>ac</sub> c	196	क्षार च	17 ,	
	Distract Total	17:7	UTIB	7		-	
Pures dp/p	budder	1460	G B	41	Austre, til	12 unturs	(1) The erop was day upod to the extent of a new boldback you rath between sown and have dang () By the do
	Madanapui	1470	611	67	Апатно	10	
	քշալարվը,	4.29	3.1	80	<b>ለ</b> ኢዮ (1(1	Ite ea	
	-	2 .iis	1,607	107			
Bio kwajeti kuje	Parisad Liter pur fera ikh ib Rhi is	1,111 d 1,211 1,211 1,41	7 2 11, 077 10	100 A		11 anns	The birds was demand by floods, especially in Patuickshi and libels, where the low smoothted so a partial facture of the crop.
	District Total	8,449		816		D	

F2			<u>-</u>				*
1	1	1	•	\$		_ 1 _ 1	N
В падра се	Bub-divisi n.	पिन् ने बालक वर्ग स्तान दी। गांचला	This haven extremted to be under cut by respect	treat made cul- fixul on cut made it to be un in bli di (100)es	Name of term pl bladet erops	Fishmatic outliers of bluck stops extrassic in mass	r Riwanas
H pmonsogh	Sudder	bq mules	Signati 1,086\$	Sq 20064	And the vize (4) (b) Bowlin (b) Bowlin (d) Boulin (d) Boulin (e) Caul	15 80 084	Between that I at the crop between the contract of the crop
	Atten	1 041	740 944	177	Ansens Ansens	19	I recense ranifall while the cost was repondir
	Netrokotas	t 175	3.0	6.5	Austric (17 — (a) Blind im (b) Chiplis (c) Sort of white (d) Builtin (e) Maisters (f) Fox didats (a) Coxel (b) Bowelet (c) Lot of	16- 5	The southers fall of heavy shows of raping during land had so to be a low bring lands sown with the respect that we had have been 20 arms.
	Kehengunga	714	\$59	101	(3) Primiye jiabu	HIR .	The sudden tise of wither in non-places in due to be built of the collapse of toward for bound
	Distrit Total	t 34M	{ 91 p	610			directors and beginning to the been after tid.  Commandation to the commandation of the been been after tid.  Commandation of the been after tid.
1 իրթավ։	Hrubanasta ri d	708	58.5	335	šue file)	141171 86	The libid a crop has you ded a bump a crop li we not after the lower fift fastes mention in a libid.
	Спанфрого	5411	445	ا (ت	for this	14	printed form the his third with the structure of the base of er him e the base of the base
	Comillide og Suddor Sub divisi n	11 8	639	126	Ави пос	H n	the affine 15 et green is a whole as green an limb table was daming 1 to a
	Destruit Poted	4 147	1 513	الله			to testillen t inner
Noskholly	श्रीव्हरोतीत् ।	1,216	R 7(8)	346		6 anns	Is to make of mainful (b) I consider RPT sognificant solid mutually worker many solids to be under diffusion affected the colorated like tellower types of the character pseudo-page 1 for the solid maked
	lonny	311	216	5)	Aun rice	16	mads But in other to state his ground but sit was very less for putting the flowers
	District fotal	3 411	1 (1)(3)	264			or good and enthe so len In add put when the othern 97 loop not so them was fully iterate.
Chittmoung	Sudder	1,t. 0	57:0	151	Aus 15(1)	10annes( a	
	Cox s Burne	0.7	615				A stress of our research and research and research and research and research and research and research and research and research and research and research and research and research and research and research and research
	Instrut Total	2 si7	1,20)	121			ign spailles Countes in upprentite siter car in the large si
( in the star of the little of		5,419	Frank Parish of the Parish Par				The jet profits of waster to the interest to t
19.4	District Total	5 419	- ôh			_'-~	method as a support
Patos	Budder	617	45	-	Makai and mara i	В аппах	The ceps were affected by exact the final of the basis of words the busis.
	Отпероте Ваме	141	107	28	Do gast kutoo	12	He says use the first hands were infected by different pand that he avising him most those in the day were wish down to the floods After of ity in only in transfell in phoneshing
	Barh	<u>18</u> 4	1415	68	Makai kami jane 18 <sub>1</sub> Okua mutu	10	thing and exclusive rate of limit-offine tions of
	Behar	7.19	1560	32	Marua koos makat, kodo	10 p	Tressele in hele tery bookelled on the bounderer pson bute (sown grame)
One.	District Total	2,079	1,617	181	-	194	# #
Gya	Budder Auruneshad Nowada Jahazabad	1,849 1,246 1,086 607	1,436 747 ,85 808	27	Makai Marus Kodo	R . R wulings	I trever from mit the scales and dedicance of its about next- and the words were the cause of the about next-
	District Total	4,712	3,410	90%		_	

<sup>&</sup>quot;It is impossible to give any estimate of areas in the dutile! The total number of house at the district is 500% and allowing a year for givery house with an average of theorem per year, with a full average trop in 100 achieves or 25 manuals per acre the total outliers of years had would be 700 ach manuals or about 20 manuals per house. This year owing to wheel ramiall the outliers is committed at copic name and it runs these not full is increased by a number one or say it is manuals per years which would be a be to it? water crop and it runs these not full is have to be a built per house of which about 120,000 would be area which would be a capability of a bumper one or say it is manuals per year which would be a capable for export at an average price of its. I per manual, and which will more than compensate for the short the crop. The area of plough laid 6000 acres in allow they too acres the district in any way. The blasted crop covers about enc-third of the whole or about 2,000 acres, and then the farm crop has been equally the first rainfall in June, July, and August.

1	ž .	3	4	จี	6	7	
District	Hub division	Trial area of and dreams	Tot Inte t estimate t '19 by rate at tivation	Area made end of the control of the	Name of principal blusterer pa	Estimated methers of blacker (repla- tropisal) (ropisal)	RPHARKS
		bej miles	Ng index	• <b>գ</b> յթյեւ			
Cuttack	*udder*	{p4}1	693	1	Austree	D MILLIONS	Thousa rice was imposed partly from want to a sewing and shortly before harvesting
	honki hondrapara	2 1" 1 21t	8 4 8 1	370	Do Do	8 ,	tion and partly honofloods instandated fracts In any reconflicted from want of millionit than during the plenching tion and pass from
	Jajpur	94	446	40	Do.	te ,	leave toru during sowing three latto.
	Instruct Intol	655	1 991	111			
Halanere .	. Minda r Dhaidrick	1 <sub>4</sub> 7.69	8年 (1)5	13	Austre	វា កង្សានគ ភ្លា	
	District Jetal	. Un II)	14%	6.0			
Pageree	1 Studder	1,482	894	73	1 Anstruc	( sanay	Bhad a crops were yers much damaged by a
	Ahoudha	1 (40)	<b>"18</b> f)	21+	2 Mandie 2 Aus rico 2 Mandia (chisin)	4 ,	months a six russ Dith data
	District Intal	2 172	1 091	111	( rsiun i)		
říosaverbagů.	Graddi	2 (16		{	Maran Indian cot u I rad Maran	19 ann s 14 11	
	Head quarters	4 '75		{	tadaus-corn l'aid	6	
	District T tal	7 021	3 (pl4)				
I ohurdages	- Suddi 1	7778	39 4	Not known	Majun Muku	t+ sonna 10	Author hybric unperiod at the lamb of some give to even to lambel!
	Palamow	4.200	764	Ditto	irul Mukas Musua Kadon Load	la . Lakin Lahi band Lahi da	Ladoredia to unusually small runfall in June and appendit feary rateful in July.
	The second section	12016	4.764				
	District Tetal	803	251		Junera	lii arnas	The senson was particularly favourable for the
Masshorm	Corindpage	į		j	Aus rich Box kulst	12 pr	I mera er op which is an important actions of food for the lower orders of the people
	Rudder -	10739	1785	758	De	14 41	
	Distent Intal -	10 762	Y 874	- SNE			
pmilpprom	Koinser	1 946	779	185	M alcag Santa	12 (a)	(i) All ried by oness of ramful lectic and afternowing thousand at the time of flowering.
	Pur hat	ddo	198		kadro Nagus	16	
	Dhalbhoom	1 147	688	204	Aus nee Til , Lind	12 (6)	(b) Affected by designency of rangials at the sowing time
į	Khuraswan	345	Вя		Hoong	=	
	Reraukálla.	<u>1</u> 39	175	85		-	
	Distric Total	4 7/36	1,×97	456	<u> </u>		
	GBAND TOTAL FIG. 108 WHOLE OF BEFGAL	182,908	90,60%	\$2,760	·	\$6 tg	

<sup>&</sup>quot;The arm of the Hi date and-division does not include the arm of two chakins as the ca ongood reports were not received

btatement II.- Estimated outlines of winter Rive crop of 1887-88.

-= -	2	a	] 4		j a	7	
District:	Muh division	Total sets of Sub division	Tablates rstricted to be analyted tasissian	Tribulated data to the control of the control of the state of the control of the		Collary of winter star func tones so in truck so in the united	
		By miks	Sq males	by notes			
Burdwan	Andder itanergunge	1 242 671 352	9:5	748	12 minuk   14	Danner	This is a firmful at the time of sowing mp is not able to the rep.  Comment by defining and to not general mass. Is pleaded into the able to the later for a comment with a later to the later was security as a second of the later was security and the second of the later to be unjoined as a later to the complete to the later to th
	Culna	4812	3 1	1	14 ,	18 H	minum
	District Total	2 (4)7	3 NIT	1 19			The futter half of the rise is more allowing that and an inglite to the futter half of the rise is more allowed built are in the rise is more allowed built and the rise is more allowed by the rise is the rise in the rise in the rise is the rise in the rise in the rise is the rise in the rise i
Bankoors	Sudder	1,921	571 	40,0	ង់កាមកាសពីស ឧសាធ្យា (បន្ត	11877729	The residual center where Americal hast and the growth of the plants was in consequence much retailed owner to word of sufficient moss are in high lands they with rock was these is low leads also were affected
	Buda npore Dustreet Total	700	(24)	4.1	ренера (С. 1814) — 10 минист	14 ,	Its the extension in the beginning of the cultivations of a manthe beginning of the cultivations of the cultivation of the cult
Reerbhoom	hadder Rump re Mat District Actal	1708	#/4 484 1 150	597 4-7 1-646	12 ngrws	ts stidan	Suffered from dealwhit in September
и idrapoto	Sudder Conta	3,297 <sub>1</sub>	\$ 50 S	217	Not less than 12 autus	16 prings 14 - u	Owing to the illigency of real the crop is prove this year the third list can. The crop is of Prinspiral and Shigwonp or things, where
	Thatini lumlook	\$21 (20 5 0K7	\$800 400 1 2 1	117	to annua to pr	16 " 16 "	the creis will edd so through helicities drain not be to be as Rayloundipus the subself was estilled in the first the lattest tag season and was not import distributed which caused imports to the crops at that them.  There were no absorbed condition affecting the nation of the groups without with that of the previous year.
Howhly	Sudder	442	ج. <sub>ا</sub> في	106	lő anhas	են ըսկենո	minel pagiten spundaci le ampul agletu quinta a samaica de caramata la copina a qui per nate et la carama de la copina qui per nate et la carama de
	Serampore .	348	5 KO	96	10 to 12 arms	20 ,	(2) The beast time thereof thather side and were mainly if the light offering blooding sowing and than ig the bine who a bine sees he filters for an arrowing. But make at the time when ones were forming helped the coop that we so but I proved hose in gental cases.
	Johanshad	438	212	78	g Blidhill it in	16 ,,	Pho minifull Led your was about done build has been leftered through the fluctup best corns
	Howash	178	171	1:3	12	13 49	que nelly to a majoranelly office of the free of a mobile and of other model from the model from the model from the free of the model from the free of
	Ulluberish	308	2251	200	13 ,, ,,,	12 ,	The copy that year was not cold by scandy randfull when the plants had grown up
	Pertrict Total	1,699	1,149	5/13			
14-Pergunnada	Budder, molud- ing Burnet- pore and	885	613	Jag	LE BLITLES	#Bilds ft.	Rain was dely just this year the time of translating any sales up in y last year the numbed was extremely favour thin.
	Diamond Har- bour,*	417	521	311	.,	16 ,,	
	Barnet Bairhat Barnektore, Dum-Dum	89.1 360 48 24	243 2-7 36 18	170 207 12 13		12	
	District Total	2,1:0	1,106	1,111			

	==-	1	i -		1		
1	9		+	f.	h	7	N
District	Sub-develore	lotal arra of	Prit if nei n 1941 i jet dit i In mind a crat- tivattani	Patel of enfronce de la contracta de la contra	1 stransbeleactions of contracts contracts summer	Outform of wither right of the village of the cycles of in many	RKWARR4
, –		Ng naku	by mics	Չգ լուև»			-
khodua	Ander Stinen Beginnat	8% 705 C79	5 43 54 5 7	8H	10 matazy	11 murs	forced deficiency of sampled at time of trans- plant is
	Dustrix 1 tal	2.0-7*	1.1				
Nudde	आतंत्रंग 	<b>7</b> 411	135	jns ,	4> 03711484	23 pr 1186	in Smilder sub drivers in the cert remail and the coloring all cled they are continue. Last any assessor very smiller or or to cose by the
	( Luis irses	8.7	21.	51	1, ,	в,	the desired the wind of this has affected the transport of the first years was
	Kushica	228	118	384	10 ,,	5	destroy d by though the bushing on some remarks apply und more little disinger was dain this year descrip-
	Mi Resport	1,2	þО	31	tu .	to	Between of our during planching and trans- plating and goo subsequently has contra-
	Rumerlint	127	3.4	. 44	()	16 ,	inistral child thay massoultons. This year is out it to have been affected by wants of join of not your applicant from it sha
	District Intol	Z <sub>1</sub> ** a0	1515				
Jensore	Suifale) Book as: No pai	시작) + 1 <sup>()</sup> <b>1~7</b>	41) 440 171	]   	12 umage 12 18	Beautie - 6 - 19	wints multiplied the plankling is soon shalf in the was of the plankling of the of the present year. There was
	Now in The radia i	171	251 730	``	16 ,	16	the the displantation
	District Total	2 925	1 11	F1\$			1
Moorshi dabad	Saddrz	*67	111 }	t in	15 กรายส	20 minus	Dillion is result to the Companies and Contradict
	Lating	172	326	12	<b>ሂ</b> ሁ ,	16 ,	Softwart and timely partially exceptive total all alle ter the except of the exact of
	Jungan.	3/14	40	1	[·	12 ,	Delig not a confail on Reptender and October of the re wing an pen in some part of
	Landi District Lital	21.0	100	_ 21 Tun	h.		the than as Baru is and Bharathpere
	bysingarity a reven						
1 подврже	Sudd r Sub- aivisian Thikings a	1 251 M 7	7 1 0	47°	11 аппла 16 .	19 and 18	
i	Difference 2 (s)						
Hajshido 3	buddi r	911	afm 1	116	Tr amunin	1 Earnnes	Some of the low ground reprofithe year and will no lost you work distingted by exceeding the recently and the fig.
	N Hom Noweinge	817 60 f	401	421 222	12.5	14 ."	
	District En. 1	2 344	171	#1			
Rungpore	Muddi i Nile hansirt Kitagrosi Laghwida	1 1988	2,"%	‡ Phj	ोर्च आस्त्रः हव	18 <b>19 19</b> 1131 #	ling were to shummal conditions affect- tion the mann flop either had year or thus of 1 in the phi ian is in the district both bindor and aman rise (rops are grown in total by)
Hogra	Відта	144	1,611	607	14	16 ,	province cob is existing
Pubija	Sudder Serajgunga	967 8 4)	717 bi 7	430 204	Iti , Iti ,,	18	lless from the present and legistratic beautiful that
;	District Lotal	1 847	7,156	hjid			
Durjecing	Fis Tenu	20 š	150		10 manus . ,	10	On account of definency of rainful in the months of Bruvan and Shadin, (6, at train- thanting line, the catture of this or plates than the of leat tear
	Kaltimporus	<del>4</del> 911	394	eta	10	10 ,,	this crep them not grow in the Budder and hared in Incisciplina to such an extent as would come under an entimate.
	Darjo line	306	714				•
	District Total	995	7.6	80		<u> </u>	

<sup>&</sup>quot; This excludes porting of Sun berbuns lying in this district, vis., 2,509 aq tare m"

1	3	5	4	0	8	7	, 1
District.	Lub-deration.	Total area of bub division	Total area estimated to be under cub- tivation.	Total of cultivated ares cal- materi to be ander win- to rate, aman or bywantu		Outhern of winter rice of pre- vious vini Expersed, la anna-	Rимания.
		Sq tallen	<b>E</b> g tolles	fog miles			
Jelpigoree	Bykantpore	429	231	99	12 annas	14 annas	
	Przgrumen Rodu Pro- groppali	402	281	106	10 ,,	16 n r	The last year's crop was partially affected by
	taigram Fer	96	60	e7	10 ,,	16	) ·
	Japair Adurest	52 <b>4</b>	167	117	10	16 ,,	The crip has sufficied from manfferent controll!  In last tran's crop was patially affected by such which which
	Pallar vita Tehsul	4nt known			10 ,	14 ,. [	The winter error suffered from the new new of rainfall at the line of leansplanting
	Alapore To had  Datra t Total	2 833	125		14		
	Data to so						
Dasca,	Sudder	1,246	6,3	217	14 garrins (a)	{6}15unaus	(a) The defletency is owing to sudden case of writer at trait and to want of water authority (accet).  (b) Due to the unusually heavy flords last year.
	Manie kgunge Munchignuga	49U 401	36A 200	240 40	8 4. 13 <sub>11</sub> (c)	16 (d)16 1	(c) The awar paddy was affected first by thebreing of mucki) at the cuts tot agricultural personne and make quantly by floods particularly in themselventurally.
	Натмодипде	<b>814</b>	\$20	123	l5 , (ε)	(/)16 <sub>''</sub>	(d) Though the was a very base flood last was but the amore puidly aid not ulti- best by suffer on the whole (cand). Much a uning was done to the opening but very by excesses must and flood the accounts been done some damage through in hupsings.
	District Total	2,717	1,610	625			ove 200 in well-betakt
•	Sudder Sub	BGU	662	481	lo annas .	16 gardes	
Parread porc	division Madariboti	976	F\$4	617	16 .	16 ,,	
	Gonhado   Destroit Total	, \$6.25 	321	161 T 618	16	12 4	-
	Dustract Total	2,261	1.301	-			_
Beckergunge	iğur med	1 111	732	FD5	16 mman	14 aunu.,	. The crop of last year suffered from flooding of immedian us, time two or their successives
	Perozepur Patuakhuli Bhata	1,431 815	415 677	575 209	18 11 18 11	14	throughfut choice being in some material as
	District Total		8 213	1 009			
Mymonsingh .	Budder .	1,884	1,098	396	14 вправ	14 aman	Deficient man during transplanta ion affected
Tamonston -	Atten	1 111	780	\$51 349	17	17	the crep Different man during 4 period throughten the
	Natrakona .	1,244	943	110	14	10	Want of campidle September last as well as
		1,875		209	,,,,,,		damage in marching an ophics affected the coop.  Therefore can be promised for all admisses.
	Kunengungo	746	AC#		10 ,, .	10	somether had by sudden my of water in duly affected the crop
	Dutriet Total	6 HRH 8	8 914	1,416	15 40	1210	la .
							Collector wor Perputy Commissioner B c marks  Commissioner B c marks
Tippemà	Brahmande- riah.	769	603	859	14 puper	) gener	to present to great be water in the first such the state of water in the first such the such and the first such that is a such that it is a first such as the such as a such that is useful as a such that is useful as a such that is useful as a such as a such that is useful as a such as
							Columnity to some for an interest of all the controller of the controller of the section of the
	Chandpom .	. 6M)	604	208	14	is ,,	Definence of impositi to Dick to denough () rope on the bigh langue
	Commiliah o Budder Bub	1,136	631	45	u .	12 _	ien string is a low eq- tamate, und it will probably be meaned to
	division.	à.	1				

1		8	4	В	6	7		8 
District	@ub-distaton	Total aves of	Total area estimated in be under cul- sivation	Foral of a plinate d area out to be minder wenter for the first term of the foral term of the first te		Outurnot winter rice for vious yest expense d on secuso	Collect 1 s of Deputy Collins 58 feet 8 Femilias	CONTINUATION'S TOTAL ES
	]   	bil his ca	PAR TITECP	Sq miles			Difficures of main as a long brane time (grow affected like word).	* I consider \$17 equal union to be under est matest   the Collecto had been need t
Noskholiy	Suddet Fenny	27a F 58#	197 #154	\$P LJ7	16 annas	18 mman <sub>4</sub>	the crops and the week of the crops to low long by which respects to the control of the crops that the crops the crops to the crops to the crops the crops to the crops to the crops the c	etide his grounds for publing the figure is flow it would per 97% against aniles; kneed the column of The column of the state area probably over 102 against against against the column of the column of the column of the state against the column of the col
	District Potal	1601	1033	71				miles, but not much
Clistagong *	Sudder	1 to 10	.71	145	12 annus	Сапиця		Column 6. The crawill be at least 1 numes The Collectors (wilmate = fatrous sanguing
į d e N. Ney 10 A <sup>‡</sup>							them 7 Achartis from Wassex unite sing dismage was directly by market years on the soli- per was submitted between	Chung 7 The res was better those re- presented here, are should be put at 1 summer at least
. ,	Con a B zar District Total	2 4 7	7 10	4 to	16	16	Planting was impaded a sure of processing to the dicitization in June But the lift impades sup- tional the dicitization	
Intingong Hill Tracts		\$ (1) +	sc	5	11 8111104	16 (mags	The strict conful in tally not be as when the rice with affects of the confusion with a first confusion with a fir	
Patea	Գա ժմն <del>ո</del>	617	458	201	10 *0 amias	il minini	Angari (If Affected owners a	Scent min from the
	Dinaja re Karh Halish	314 21 711	167 445 1 1	61 1 i 4-i	1 . 8 02	16 . 17 .	codel topics () the n Doi Diffe Diffe Diffe	ogianing of Octo <b>ber.</b> disto disto dato
	District Total	2,070	1 (17	8(1)			() In the last year the cylint I humped by	compa were to some
Эук	Suider Autongabed Nowade Librogad	1 HM 1 41 4 1 5 0 607	3 1 4 7+7 7 7 603	R   3 271 (1	A STITUTE TO THE TOTAL THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO TH	10 numus 16 ic 16	the delicates of complete the delicates of complete the delicates of control of the delicates of the delicat	nse of it towards the int the beginning of
	District for 1	1712	110	2.07			Husgrap	
oks bahad	turst	116.5 934k	777 236	3Tv	l., nithas	IB midsaith	is veriffications and in metallic second in the maleder maleder and the maleder and the effect of the estimated in the estima	ns gress hoppers dominated the consumedo- fur that the want of of h prember to the i gress harm to the yally. The irrigated area unde nultivation, or crop but the Sab
	Виания Наиметин	1 037	726 1 He	903 897	(I)	12 .	With the good of strong Ditto	
	District Potal	4 101	2.457	1 465				
nda hilan pigm	Sadit: 1	7 716	1,155	7#0	JU ajiras	14 punta	in the beginning of the she admit and peneral tree was given by the temperar last week of be parasist to the in a more examined to the home of the home rate in the second watter rate in the second watter rate from all furth	, hones the cultivated the minest. All want rantens of cut in the and the flut week of one with halout we camp with halout we camp with lat.
	Тејроге	746	085	145	14 ., .,	6 to 8 anima,	The rain on or about saved the ornpover and made it is a rms a humper crop had the cartie. The rainful other half of the sui-d	half the mubidivinger if would bave been s rain falken ten days was dellogent in the
	Madhuburi	1,282	936	681	od.	14 annss	The erop would have be	en a bumper crop but
}	District Total	S J=0	2,750	1,576			for the fallure of the )	CALULY FRIEN,

Mosuferput 3:	Sub-division.  Morufferpur  Hugespur  Situmurhi  District Total  devian  inpulgrange  District Potal  detidan	Total area of autodivision.  \$49 mile4 1,318 771 1 014 3 303 098  893 771 2 432 7,518	Total area satismated to be under cultivistion.  Sq. index 974 610 270 2,960 848	Fotal of cultivated are useful and to be under the state of the state	Fatimated outtoen of winter ire ( 1994, 1 kpm and 20 km annus 10 k	Outtuen of water for a star for the star fored for the star for the star for the star for the star for the st	Remarks.  The fin of Orf har did bindered good to the necessity last be the crop who affected by mind from wife the fines the excess of named in the same and transport in bugh substantial () to be the constantial of the same and the same deli-
Sarun* b	Hajespur  Hajesp	1,318 771 1 015 5 803 098 893 773 2 622	974 618 770 2,460 848 723 4n 4	50% 323 456 1158 212	16 +	12 ,,	by mind to not see the cop was affected the tung for suff of from the excess of named in the control of the control of tents in being mid to take in being mid to take the control of the
Sarun* b	Hajespur  Hajesp	771 1 015 3 00 3 BUS 873 773 2 632	910 2,960 2,960 848 728 4n 4	123 456 1168 212	16 +	12 ,,	by mind to not see the cop was affected the tung for suff of from the excess of named in the control of the control of tents in being mid to take in being mid to take the control of the
Sarun* b	Sitamurhi  District Total  sewan  sopulgange  District Potal	1 014 3 80 3 098 893 773 2 632	2,960 2,960 848 723 4n 4	456 1158 212	16 01	18 ,.	The valle for suffer them the excess of needed to the same of tener in Neglecular and the tener of the suffer and the tener of the suffer and the tener of the suffer and the tener of the suffer and the tener of the suffer and the tener of the suffer and the tener of the suffer and the suffe
Sarun* b	District Total	803 098 803 773 2 432	2,960 848 723 4n 4	1158 212			tency in September and () tober
Sarun* 5	ouddar iewan inpolycange District Potal	893 773 2 632	848 723 4n 1	212	12 mg pma	1 Stantian	•
Chain parari	iewan mpalgango District Potal Motihari	803 771 2 422	72% In 1		12 acipan	13 anga	}
Cleamparare M	iopalgunge District Potal	771 2 432	An f	281			Owing to excessive modell if the Day of trans- plantation and for which from an September 1 per policy cope soft red to some extent based very the proof of persons at the from burey randali and its de-
Chumparuri M	District Potal	2 432		1 101	lé <sub>pi</sub>	30 ,	The high hand paddy suffered a lattle organic
Champaran M	#otilini			107	12 ,,	26 5	C) water of town.
13		1,518	¥ 494	491			
	Bettadi	-	1,360	etr	10 synnse	12 annus	The deficiency of the to steller me isometh dis-
	- 1	1,700	1 277	638	11 31	14	There was no resulted during the Hother Architect. This to a which case if the despite to be to be the present sension and the required consequently to the than that of this year.
Monchyr S	Distract Lotat	8 221	2 (83)	1 352			
	ludder .	1,559	1 091	426	14 annas (a)	l Fearting	(a) The winter car on high lands softer if to some start wint to time that had so part of septent
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	amut	1 891	1 902	6'18	1è ,,	/P ST11393	the in efficient made of their subjections as
1	District Total	1.61	3.711	1 117			
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м	Audolipura	N7.2	56 C	748	19 ,,	13 ,,	there is Suddy Faily's works were summered by exposure and artifly distributed. The constraint ground
84	lonjula	1,35	986	673	14 .,	1 h	bos becessored the force in pains frames to a second for a pains frames for an income that the flame is a fit of the force in an income for the pendicular decreases and the second force in a second force in the flame in the fl
r	Destrict Total	\$, 40%	3 006	17%			the limpana, who ill i
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At	ranzcali "	1,015	7 to	452	15	118 .	Problem floods upor d the erop in August and September
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B	Outrict Total	4 1/1	\$ 6 0%	1,436			
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ionthul Por. Du	umika . )	1 42	711	400	16 Annas	lG annus	
De Go Ra Ju	ecrime odds. simehal hutura akkur	P50 O48 710 Om BNJ	66) 674 615 278 506	203 203 325	12 18 14	16 , 14 , 18 , 18 , 11 ,	Securis man of and space transplatinfier Rum in its of transplant of a und name food rum and my too. The graspects Want of council transplant from
D <sub>1</sub>	netmet Total -	6,161	3,296	2,173			
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1		8	•	\$	8	7	8	
DISTRICT	gap-dránjen	Total area of sub-daysion	Potal area estimated to be under sulfivation	Total of cultivated area estimated in be upder with ter 100 attent or hymanic	Estypased outling of winter line or payround in sums.	Outform of winter the of provious test oxplies d in sineas	Remarks.	
		Oct miles	Eq miles	Bg miles				
Hajinsore	Sudder .	1,169	9427	776	10 ециве ,	S) autrum	Chains to deficiency of man at the impa of the trop coming into ear, and at the time a swing is sume places, only an average only	
	Hhndrock	1946	60)	r 😢	16	24 ,	turn mentangial (Abermine it would has	
	Diernet Total	2 08/3	1,4%	1 170				
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	Digariet Tetal	2 479	1 004	8_N			ing  In provious for the coop was dismaged singto in twee ramials of the time of the coop counse into one and also at the harvising time.	
Hazamba k	Giridih	2,44	2000*		(1) Pennas	1 <b>5 элл</b> ан	(1) had the reports from which the estimate were proposed were received some rain fell which has made traile our fits of the rice or or	
	Head quarters	\$ 57F			(1) 9 ,	10 ,	tens in work product that the outburn will remain to anything	
	Destrict Total	7 021 -	2 000					
<b>L</b> obardungs	Rudder	7,784	3 457	Not kin wa	12 anusa	lő magny	Viry liftle rain at a wing time and copion fall it the end of the rains someon white	
	Palamow	4 260	= Pilt	Ditto	12	u,	the truth rearly	
	Dustru t Folal	1.011	1715					
Manistrous	Govindpur	813	289	112	10 anuas	12 60664	life ratiofall than four was very fitted. The currence of permits up along but in course, unit in a constitution part of the district th	
	Radder	9 9 10	5,663	1642	10 ,	13	A deathable reclaims remained to a large extent anothered. Then there was seem plan to some time in the after case to be found to some time in the after case to September and the crops of the bester trades aftered made injury. But it is the reason to the prepares would have	
	Instrict Total	10 76)	8 476	[ "k]			hear a region of the lat many have don in rens good an timer is now inchained another like surery. In the beginning of Suptember area if a was adding at 30 seer for rings. All through September the pro- cess full 4th and 7th mannet, it was 10 septem-	
Bingbisoom	Kolhan Printat Phalbhira Lihalbhira Liharanwan Somikila	1 996 960 1,157 145 4-8	77k 3 % 044 54 174	110 147 147 9 22	15 ++ 13 4 34 8	15 yr 12 12 12 13	ruper 1t has since falls a to 21 or one Deficient resultable during the phomber and Octo Dr	
	District Total	4 516	1 607	1 (1				
	Grand Total Porter Wesle Of Vergal	F 20 000	<b>96</b> ,821	42 177				

<sup>\*</sup> Taken from Mr. Mat Donnell a work on food-grain supply

THE subjoined report is published for general information.

W. B. BESTIC.

Under-Secy. to the Govt. of Bengal,

P. W. Dept.

# QUARTERLY INSPECTIONS OF THE KIDDERPORE DOCK WORKS.

Dated Calcutta, the 21st January 1888

From -T H. Wickes, Esq., and H. Croris, Esq.

To-The Secretary to the Government of Bengal, Public Works Department

We have the honour to report that, in accordance with the orders conveyed in the Government of Bengal's No. 43M.P.I. of the 5th instant, we made the third quarterly inspection of the works in progress at the Kidderpore Docks on the 12th idem.

2. We enclose the usual tabular statement and index plan showing the work done during the quarter, and the total amount executed, which have been prepared by the Superintending Engineer in charge of the Dock Works.

3. The state of the works on the 31st of December last was as follows: -

# TEMPORARY WORKS AND PLANT.

Arrangements have been made for laying a line of rails along the boat eanal bank, and so connecting the Dock Works and the Akra brick-fields with the Eastern Bengal State Railway system, thereby relieving the block in the traffic on the existing riverside line and its extension to Akra.

# PLEMANENT WORKS.

Sixty-feet Lock.—Considerable progress was made with the excavation, 21; lakes of earth were removed during the quarter, and so good start was made in laying the foundations. The work is being pushed on vigorously.

Tidal Basin. - 16; lakks of earth were excavated, and the construction of

the walls will now shortly be proceeded with.

Dock No. 1.—One thousand four hundred and fifty-six running feet of quay wall were founded during the quarter, 7<sup>2</sup> lakks of masonry laid, and 8 lakks of earth removed. This progress was attained, notwithstanding the difficulties that occurred from time to time owing to slips

Boal Canal.—This work was resumed at the close of the rains, and 29 lakhs

cubic feet of earth excavated.

Expenditure.—The total expenditure up to the end of the quarter was Rs. 71,10,286, of which Rs. 49,12,493 were on account of works and Rs 21,97,793 for land.

#### SANITARY.

The health of the work people continued to be satisfactory. The average number employed was 7,816, amongst whom there were 34 deaths reported, giving a death-rate of 17.5 per thousand. The sanitary arrangements connected with the works are under the control and supervision of the Medical Officer of the Dock Works

# GENERAL REMARKS.

We consider that the progress of the work has been very satisfactory, and that, as far as can be judged from a quarterly inspection, the quality of the work is all that could be desired.

# Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 28th January 1888.

District and date of return.	Rainfall at Suddor Station in inches.	Character of the weather and state and prospects of the crops.
L.		
Western Districts.		
Burdwan, Jan. 28, '	6 04	Weather-cloudy and cold. Prospects of crops fair. Prices stationary except
C. I	0.06	at Angraus, where they have risen.
Annual and	0.08	Weather - cold and cloudy. Roin has been beneficial to the rubbi crops which
10.1	1 62	promise a lair outlure, and has also enabled the cultivators to along the
Beerbhoots 28, 4	86 034	the fields for puddy. Prices continue stationary.  Weather—cold and cloudy with drizzling rain. Prospects of subbi good.
Diect pitoers II may	0.29	Sugarcane pressing commenced. Price of grains stationary; that of sale
Midnapur , 28, '1	18	increased. Weuther—cold; some heavy showers. Rubbi and boro doing well and should
internation is		generally benefit by the rain.
Hooghly ,, 28, 2	8 103 020	Weather—cloudy and at times rainy. Rain will benefit most of the crops on the ground, but damage some. Prospects generally good.
Jeha pa bad	0.06	
Colooberys ,, 28, 2	98 0.97	Weather-clear and cold. Assa crop nearly all harvested.
Central Districts.		
24-Perghs. Jan 31, '	186	Weather-cloudy and rainy during the first part of the week; new clear and
		unusually cold. Harvesting of amus nearly compacte. Rubbi crops prospering. Cutting and pressing of sugarcane still going on.
Ed Midraton III.	0.61	Wonther-sessonable, but cloudy and rainy at times. Prospects of winter crep
3.4.2.46	88 079	favourable. Rain wanted in the Chuadagga sub-division. Cutting of augar-
Jesore 28, '	1.42	Weather-neasonable. Hervesting of smuds till continues. Winter crops doing well.
	0.08	Weather -ecol and cloudy. Amen harvesting nearly over, tereral showers during the latter end of the week have done much good to the winter
	. 0.22 68 0.28	стира.
Kandhee .	057	Weather—cloudy and drizzling rain at intervals. Outturn of cause good.  Rubbi crops promising.
Dinagepur Jan. 28, '	BS 010	Weather-cold and cloudy. Harvesting of winter rice not yet finished. Mustard and tobacco doing well. Rice selling at from 20 to 24 seem per
Lajehabya "28, "	88 Nil	weather-generally cloudy with forgy mornings. Harvesting of smus nearly
1	8 007	finished. Rebbi crops good. Prospects of ganja good.
Rangpur = 28, '	X., 001	Weather-sky cloudy. Rain is wanted. Multurd in being gathered, and land prepared for jute and sus. Prespects of crops good.
Bogra ,, 29, '8	8 0.07	Weather-cold and cloudy. Amen is being harvested. Pressing of sugar-
Hoga H		ome proceeding. Unihering of mustard nearly over. Prospects of cold-
Pubns ,, 28, '8	8 018	weather crops good. Price of rice stationary, Weather—cloudy with slight rain. Prospects of crops good.
Darjeeling 28. 18	0.36	Occasional fail anow, sleet and rain. State and prospects of crops good.
Julpigoree ,, 28, '6	0.04	Weather-very cold; cloudy for the last four days with rain on 26th and 27th.  Harvesting of winter rice nearly over. Standing grops doing fairly well.
Enstern Districts.		Land is being prepared for ass. Common rice 20 seers per supes at the
		Sudder station.
Daces, Jan. 28, '8	8 0.95	Weather-very cold and cloudy. Rabbi crops doing well. Mustard and kales are being harvested. Pressing of sugarcand going on. Ploughing for
		ans paddy commenced. Boro paddy being planted. Fodder reported to
Furrecdpur ,, 26, '8	0-36	be insufficient in a few places.  Weather—cloudy and rainy for the last three days; cool. Cold-weather crops
, Goalundo	0.40	doing well everywhere. Prices moderate,
Backergunge " 27, 16	8 X4	Weather—seasonable, Prospects of crops good. Weather—cloudy and sold. State and prospects of all crops matisfactory.
mj.m		
Chittagong Jan. 31, "6 Noakholly ", 27, "6	8 2:86 8 0:08	Weather—variable. Tea and winter crops benefited by rain. Prices stationary.  Woather—a little warm in the early part of the week; latterly cloudy with
		some rain. Rubbi crops doing well. Aman harvested.
Tipperah " 26, "8	8 Nil	Weather—cloudy and cold. Histocting of sugarcane still progressing and that of rubbi crops only commenced; good outlurs expected. Standing
		more doing wall, but a shower of rain wanted.
Chittagong Hill ,, 24, 's Tracts.	NII	Weather—very cold from about 10 P.M. to 10 A.M. Heavy morning fore continued up to 22nd. Cloudy in the morning during last two days of the week. Bright and soushiny during the day throughout the week. A little rain hat night (23rd). Hervesting of mustard has begun very generally. Other cold-weather crops doing well. Pressing of sugarcases
Hill Tippersh ,, 25, '8	6 2023	continues.  Weather seasonably cold; sky cloudy at times. Prospects of sugarance and
	.	mustard good. No other important crop in the field.
Hill Tipper	ah "25, '8	ah "26, '86 Mil

No.		District an	Rain Static	dder on in	Character of the weather and state and prospects of the crops.				
3E	HAR,								
	26	Patna	Jan. 28,	*88 {	08-0	Weather-cloudy and very cold. Threshing of paidly nearly completed. Rahan done much good to the rubbi crops. Prospects of poppy fair. Price			
	27	Gya	,, 27,	'88	1-04	stationary.  Weather—cool and cloudy. Threshing of paddy nearly finished. Rain b benefited both rubbi and poppy, but poppy has slightly been injured by he			
1	28	Shahabad	_ 28,		0.99	in the Nawada sub-division. Opium is being extracted. Weather—cloudy and miny almost the whole week, latterly cool and cless			
i	1	Buxar Sasacram			0 95 1 00	Hain has done much good to the rathi crops; prospects are hopeful.  Weather is not favourable for poppy. The crop has been doing excellent			
\$ ,	/	Bhabuah			1 10	but if the weather continues in this state some injury is apprehended.			
FATSA DIVE.	29	Darbhanga	,, 28,	'88	0.60	Weather—very cold and cloudy. Rubbi crops continue favourable. Rain h much benefited them. Lands are being prepared for indige. Poppy flower. Price of rice stationary.			
74	80	Mozniferpur	,, 28,		0.74	Weather-cloudy and rainy. Early rubbi in ear. Rain beneficial to popp			
		Hajipur	DQ.		0·29 1·20	indigo and late rubbi sowings, but injurious to tebacco.			
	81	Sarna	,, 28,		0 22	Weather—cloudy throughout the week. Prospects of rubbi continue goo Poppy in some places is reported to have been attacked by blight. Lan			
		Sewan Gopalgung	0		0.57	are being prepared for indigo,			
	82	Chumparun	21.	188	0.35	Weather—cool and cloudy. Kain has been beneficial to rabbi crops to some extent. Poppy plants flowering. Prices slightly rising.			
		Monghyt	Jan. 28,	188	0.54	Weath r-very cold and cloudy throughout the week. Rain has been general			
	188	Regmerai			0.72	beneficial to the stending crops; but some damage to pulses in flower			
	1	Janui	00	100	0:87 0: <b>3</b> 1	apprehended if the weather does not clear up soon.			
PETGULFORE MIVE.	34	Banguly ut	. 23,	'88'	0.91	Weather—very cold; occasionally cloudy; strong west wind prevails. The standing crops are doing well, and the rain has benefited them. Suga came is being pressed. Their (mustard) being respect. The rais has presented.			
iii iii			,, 28,	<b>'8</b> 8	0-16	hably been general throughout the district. Weather—cloudy and cold. Tobseco and mustard are being cut and turnic			
Í	86	Parasah Kishengun			0,08	out fairly.			
5	88.				0.14	Weather-changeable; generally cold, cloudy and foggy, with occasional ar			
d d	86.	Maidab	,, 28		0:02 0:07	very insufficient showers. The harvest of winter rice is over with go outurn. Kalai and mustard are still being reaped. The rubbi crops a			
•		Chanchal Shibgunge			0.4	doing well, except in thannh Kharba, where insects have done hard Transplantation of boro paddy has begun. Common rice selling at average of 21; seers per rupee.			
		Southat Pergh	s. , 28,	88	0.43	Weather-cloudy and damp with slight showers. Prospects of crops w			
	87	Dooghur	1		0.82 - 0.09	changed; rain not sufficient to cause much improvement.			
)R	1384	Rajinahal		***					
. 1	18	Cuttack	Jun. 27,	<b>'8</b> 8' (	0.42	Weather-cloudy and cool. Resping of sared rice still continues in son places. Datus rice doing well. Common rice sells at 194 to 214 see per rapes in town. Rain injurious to mange trees, which are in blessous.			
Calona Divin	19	Poores	,, 26 <sub>s</sub>	'88 1	vii -	Weather—ceasonable. Threshing of sarad (winter rice) continues. Data crops are doing well. Common rice 24 seers 3 chittacks per rupee in the Sudder sub-division and 25 seers 11 chittacks in the Khoorda sub-division.			
3	40	Balasore	,, 27,	'88'	0-19	Weather-cold and cloudy. Harvesting of partly completed. Threshing goon, Bubbi crops are being gathered.			
H	ATO	NAGPORE.				and a second sec			
	Boui	1. West Frontier	r Agenoy.						
			Jan. 27,	'MR'	1,10	Weather-cloudy and cold. Rain on the 23rd and 26th. The buil which			
	, <u>41</u> .	Hanaribanh,	d∰lli 4ifş		1.10	accompanied the rain of the 26th will cause slight durings to the mustare and wheat in our, while the rate will improve prospects generally. Sugar cane continues to be pressed. Cattle-disease still prevails.			
1	4	Lohneduzes	, 28,	<b>'8</b> 8	0.59	Westher-cloudy and rainy. Prospects of rubbi fair. Prices steady.			
		Palamow			0.67				
	48	Singuatura	, 27,	188	0 92	Weather-rainy and cold. Pala has fallon all over the district. It will improve the prospects of the rabbi crops still on the ground, such as grain and pulses, and will also allow the ploughing and preparation of the			
CHOCK MANAGEMENT COLUMN	44	Жаприост	3, <b>2</b> 8,	138	1:1	ground for the next sowings.  Weather—cold, cloudy and rainy for the most part of the week. Sugarcane is being out and goor manufactured. Prospects of cold-weather crops interproved by rain. Mustard indifferent. Rice selling at from 16 scors per rupce at Jhalda and Jeypore to 24 scors per rupce at leidinger. Cattle-poin dunrangilibit haus.			

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Inte-during the month of October 1887.

IMPORTS INTO CALCUTTA.

.			FOO	D.GRAIN	18.			Finnova	roducte.	Otte	BRDI.			-	Bu	GAIL.	Tex
Whence imported.	Rice Rice.	Paddy.	Total fin	Wheat.	Gram Rud pulses.	Other foot-grains.	Total	Jule, raw.	Gunny- bage,†	Lineowi.	Mustard-	Ten. Indun.	Gottom, raw.	Siik, 18w.	Dained	Vn- drained.	Bl+ path,
ا		1	reu).	l		10.0	Ma.		N.	Mgs.	Mds.	Mdc.	Mda.	Kila.	Md»,	Mda	Ædı,
Breat,	M da. 77,089	M4a. 11,876	34 du.	Mdu.	18/1s. 6/320	Mde.	Mdi. 91,787	3/ds. 1,910	No. 10,420	4,172	700	3946	19	34	4	1416	44 Mari
eprishosm	31,703	14,933	31,705	MI 151	1,197	****	1,54,656	40	5,030	1,827	996	100.00	545 FFF	574	11 p	837	*10
idnatore	211,400	3,634	1,83,499 31,718	21,190	8,224	513	01,855	90,510	R75,942	19,070	\$13,915	117.03	1,861	2 ]	5,821	10,999 8,001	960
Penguusaha	1,08,567	35,425	1,85,728	975 4,860	80a	2,539	1,86,650 1 1,15,788	1,27,007	2,470	0,147	702		145	597	277	100	141
nddea	10,946	1,548	32,987	#2010	63	11.417	32,338	10,7.86	105	fields	h1	******	1141	141111	685 370	0.175	ke
NS(1799 44	30,801	17,16u	47,860	441 - 15	18,30a 20,100	1,652	80,726 82,347	3,518	1,260	8,57±	4,919		16	271	170	7,003	610
oorshedsived	4,009	840 111	4.623	5,436	20,100	1,002	44,423	14,912	00,020	111 11	had a	r et . e	FET	511110	MI M	1	***
ningeroru	10,404		10.463	351	23,530		34,074	65, 100 1,18,50 (	134,890	6,155	*****		E+ ***	81	111111	414444	<b>2,</b> 10
инкрыте	1,664	141***	13,080	111-4-	223	411177	12090 (	M <sub>a</sub> thia	23 24	to the	F-7 E4	115.41		19171	****	400.00	47101
ulania	13,600 42	*****	13,010	674	7,211	Blbor	7,927	4,41,590	145,400	1,337	1,800	Control of		-10.11	141 144	P4b+ ca	990
wjerling			B49***		-12121		444.1	50,460	136,356	F100 to	******	6,627	100 29		*****	111.14	***
nippgoree	1,500	rha ***	1,5421		1.516		4,035	5,39,587	711	119	*****	497 11	2.0	44	.44-15	441101	
arrendpore	15,310	875	12,857		50,256	134.54	82,113 st 10,050	0,03,158 8,663	813	463	400	1	19414	207	94	404+16	*
ACKEROUNE	2,16,054	1,125	5,17,2H2	11114	1,849   239	147717	2.18,950 471	61, 100	blacke had bee	\$95 cm	400	141	19474	744 * 74	18070	0 1 1 1 1	F44
lymeusingh	1,200	49,000	7,200	Frank	200	114196	7,2tki	2,400	1000	100.7	147 11	2,691	462L	840784	198.199	+141.4	
luttugong.,	2,100		2,100	h	Luna	a , , a b t	2,399 36,382	847.	******	9884-1 P41-1	en er ht	2,494	87.5	Andrew V	18 h 194	117784	
makholiy	85,182	]	9,10,061	\$4,631	1,200 2,22,386	4,588	11,74,933	24,51,785	2.078,403	60,793	21,826	25,928	4.537	1,718	10,523	58,610	3,14
Iolai of Bengal	5.46,306	1,07,111	A'T.'OUT	46 Page	2,224,76	4/4/2-4											<u> </u>
BRIAR.	*****		******	\$2,137	34,089	8,291	67,317		ពូរគំ	2,57,343	B,235	E FF-E1	)	3	358	777 3H	110
ÿ8		41-41-18	1111197	li, 103	184	Name of Street	36,910	101 161-11	1,190	16,187	5,739		100.0		12110	1,480	181
haththad lossifierpore		25,000	MATERIAL STATES	437	8,465 460	12,200,00	817	H1 -1	*** **	E1,052	714	445.54		843-4-4			144
hirbhunga	40.11		144 IP	4,230		423	4,723	*	9,145	80,651 4,745	93,674 5,785	*****	# h = 4 i +	110471	100.01	11114	111
aritti	¢	641884	101111	5,016	P,859	4,454	10,768		413	\$1,473	Nan	#4 PT h 0	10001	44444	(152	111100	
hampurga longlyr	379		379	\$3,564	36,575	3640	71,457	***	8,675	14,404	0,000	-944-4		171			314
dinguipore	876			\$ 1,4015	8.481	16.407	50,781	233	49,163	7,644	6,077	771 11	277.16	13	1,000.00	PORTS.	177
urnesh	417		376	3,044 5,020	4.50%	1.414	12,2%1	12,931	130	1,500	425	491	*****	141 10		11114	71+
nahe.	9		3	11,310	1,844	1,977	26,0L1		1,225	6,036	3,161	,		136	- Ideal	- 55	104
Total of Behar	1,205		1,385	1.32,143	1,21,610	37.811	2,02,808	16,000	68,175	4,53,680	62,558		1	153	740	2,880	
ORISSA.							607		41.11)	*****		utu i		Par IIPa		1-11),	1 274
Cuttsek	4/03	18,007	8,130 404	10 F44		99	9,129	538	550	*****	8414		-htrib	*****	88441	11110	
Total of Origin	404	13,007	8,637			\$43	N.(C36)	£2H	550		111-14		15,		184 769		
CHOTA NAGPONS.																}	
Basaribaah	amete da		-117-1	}	*****	1 144		*** -,	1,025 210	415-11	.,	628	*11 *4*	******	20 d H	1-1-1-1	411
Manbhoom		110.631	<del></del> -			11			<del></del>			628		******	117111		-
Total of Chuts Nagpere,	В		8			,	8	rebuge	2,135	-14111							
Grand Total of applies from the l Provinces under the Landons I have been a transfer of them-J	8,47,927	0,18,118	9,23,751	1,00,977	3,46,407	42,52%	14,75,643	24,96, 40;	2,1 10, 182	8,04,478	76,378	241,636	4,638	1,865	11,963	81,690	8,16
kwy-																	
THER PROVIECES.	800		es i		900		1,400	1,616	-43.886	1,700	6,657	1,12,425	48	10	141144	MErry	
Assam North-Wastern Pro-	800		691		Roa			,,,,,		-		472	7,008	54	814	18	
vinces and Oadh.	80	} <sub> </sub>	Rn .	7.902	27.20g	3,247	38,587 5,270	Minus Minus	280	1,11,055	29,920 563	514	4,000	#1 tes	914-15	br	117
Էլյոյան	10	474.11	10	6,327	4,307	863	6,527	Mines Hadas	F172	74 PM	Trucy .	100.00		1011,,	111179		
Contral Provinces Bajputans Blakes	(feet)	171-11	171171	*****	3,347	121414	3,347	111164		10) 110	·	14	11,858	10 h 4 h 7 H 1	*17720 h: 1005	410711	
jointey					4	41- 11	3,135	Merchal Control	31,460	SAFER FARTER		) LE 19 10 (1 10 (	P67	2	141416 .	MIGH	1
Macter Barthad daine	*** **	511/11	3	21.00	3,235	14111		-11-11	1 miles	44473	12,000	4)111	109	85	78,340	171.14	[ :::
Wher bireer	4****	23	14	MA.178		140-11	14		2,300			patriod				1-0714	***
Frank Total   1887	8,48,617	1.19.145	9,91,458	1,80,860	3,64,184	46,028	15,83,846	24,89 027	2,191,387	8,17,228	1,11,841	1 :4,076	25,80V	1,970	90,418	84,961	3,14
of Topported		i i	1 1		l	. ' '				3, 25, 232	1,38,658	1,20,560	38,418	2,010	18,579	25,716	186
October (1886)	7,38,758	43,970	8,10,239	5,97,763	1,68,868	30,023	16,50,585	19,72,436	21.4FE4,00%	بالمقرات بال	1 11-10-00-0	-91	1	, ,		F1 44	ı

<sup>•</sup> One manual of packity is equivalent to 15 mers of rice. | † Exclusive of base obtained by local manufacture,

The Sea-borne Trade of Calcutta in these Staples during the month of October 1887 was as follows:-

			i				. <u> </u>	1	<u> </u>	1		1	<del></del>	l	1	ı	Ī
Exported From Calcutta																	
To Indian ports,															ļ		
Hombay Madras	1,70,730	00 30	1,79,777 24	1,078 258	7,659 19,475		1,89,985 lu,967	*****	1,792,480 54,200			1,210 3	0410g. 1+94,9	~~ii	\$,089 Injent	MPhia lenns	HI HI
Other ports in Madrae Bygigh Buroub	1,80,348 2,078	4*****	1,30,345 2,078	99 8,307	10,736 16,854		1,41,182 27,588	4,861 60	342,550 164,500	103mg	43 58	4 38	Paraga Barros	;	487	100	. <del></del>
Other Indum ports Poudicherry	177141	040-184 Bell 149	B	294	2,290 260	874 84 8 994 84 7	2,306 554	scames	210,800 27,000	401410	14:04	4	Mph.,,	<b>6</b>	1,018	- BB	
Total of Inter- portal trade	3,12,167	90	8,12,529	10,020	56,770	2,459	3,81,821	6,800	1,460,700	toni	150	1,862	(Pres	191	8,680	Pla	(ML)
To Ferrign ports -   United Kingsom	\$1,682	es/141	21,660	1,30,484	1,28,433	14741	3,90,449	20,79,407	14,700	6,32,501	5,466	1,53,641	1,011	270	. 141.000	414164	open All Services
ports	6,29,096	1,507	8,80,084	19,368	14,439	2,561	5,67,894	8,97,780	6,880,109	147	1,349	8,007	1,440	. 48	, <u>, 100</u> ;	200 488	
Total of Possign	8,80,678	1,607	5,81,820	1,20,806	1,40,071	2,581	8,87,775	15,57,217	6,204,500	4,14,545	The Personal Property lies	1,17,004	1,100	731	86 (7.4)	1	
Grand Total (1887, of Experts in October (1886	8,01,044	1,608	8,48,849	1,40,680	1,19,44	4,770	11,30,190	15/214	14,694,599 84,68,562	4,83,641	4						
to October \$1800	6,46,818	3,560	5,41,021	9,81,186	1,10,544	12,673	17,25,230	ENAL T				<b>VERSE</b>		100	建技	開源等	251



# The following Statement shows the several Rouses followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of October 1887.

## IMPORTS INTO CALCUTTA.

		Po	OD-GRAIN	Back of the Country		Fibnors F	RODUCTS	0115-61	tena.	-			80	GAE,	To	W4000.
Bourn.	Rice.	Paddy.	Wheat,	Gram and publics,	Other food- grains,	Jute, raw,	Conny- bage.	Linseed.	Muntard sout,	Tea, Indian.	Colton,	Rijk,	Drain-	Un- drained.	Ris.	Othe
	Mds.	Mda,	Mas.	M da.	Mds.	M ds,	No.	Mds.	Mda,	Mde.	Mds,	Mils.	Mds.	Mda.	Mda.	Mds.
enantry bosts elver stamors (Rest Indias	<b>4,83,511</b> 7,144 78,698	99,717	07,1±7 88,919	1,89,677 628 1,11,240	91,170 15,309	7,53,097 3,18,540	740,137 34,125	1,32,940 507 4,79,638	60,180 6,621 64,511	99,444 2,000	6,144 43 R,047	426 187 811	7,671 261 467	25,481 8,411	589	17,699 197 \$06
rail	37,154	ны	1645	79,184		11,15,480	1,357,125	4,143	402	37,118	986	513	1011-10	6,831	2,589	11,106
FORCE	45,994	4,689 13,934	273	3,235	10	1,09,818 5.13	19,750 41,250	Praired	113	2,413	72,944 12,944	5,0	8,673 78,340	1,729	1	489
and total of (1887	8,48,017	1,18,146	1,60,668	3,86,194	40,039	84,09,027	0,101,587	6,17,228	1,11,841	1,30,975	25,809	1,1170	90,438	35,931	3.144	87,539
Michael " [1886 "	7,00,758	45,070	8,47,264	3,03,636	\$0,003	10,72,456	1,812,590	3,26,232	1,38,053	1,11,080	38,413	2,010	1F,579	25,716	848	01,810

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Island from Culcutta during the month of October 1867.

#### EXPORTS FROM CALCUTTA.

		Cotton piece	n-goods.	Cotton I	wist.		Gunny-		Cotton pin	an-Rande.	Cotton	twist.		
ther export	₽đ.	European.	Indian.	Кагореви,	ladien	Balt.	hage.	Whither at partud,	Euro- ponit,	Indian.	Виго-	Indian.	Malt.	(lunby-bag
		Na.	Ra,	Mda.	Mde.	M du.	No.	CHOTA NAGPORB.	Re,	Ra.	Mds.	Midn.	Mile.	No.
BRUGAL	ı				1			Hazara-bach	53,755 37,400	1,640 550	26	170	6,831	NOS
Tib	и.	2,04,390	1,870	440	1,319	20,507	54,093	<b>343</b> 1111110001	91,400	290	20	1,548	7,030	1,44
nhootii	144	7), 60 2,8%,870		163	664	LO, DOD	60,980	Total of Chois Nagpore	83,555	8,080	25	1,767	14.137	8.14
viii078		2,86,874		1,140	180	18,200	6,649							4.14
aly .	444	75,657	6,393	619 514	179	tera : 13,5%	46,173	Grated total of supplies into						
IN LUCION TO	411	3,60,768 8,56,000	8,675	1,356	50	15,420	9, 500 19,641	the Provinces under the (	80,20,:55	87,03	19,086	P. 736	5,25,231	791,621
446	*17	87,783	484440	1,000	41	6,013	105	11		14,14	******	1 1,121	41001000	144,021
<b>10</b>	and	77,674	30.00m		16	25.117	8:0	nomini 017				l i		
podebed	***	17,760	2,640	858	ō.	6,350	. 2, GN	Orner Provinces.						
EDOLE Moderner	***	1,74,699	ne et	40100	40	4.878	4,020							
apa a	441	1,06,694	111115	21	10	9,273	9,690	Assum	8,10,460	-nrake	92	99	45,359	
berg	441	3,84,360	+1	107	43	8,R64	145	North-Western Provinces	2100125	147+41		**	40,000	2,8t0
1	4-1	1,04,099	198494	22	14112	3,824	7,310	and Outh	31,05.664	7,690	3,2%	67	38,699	1,00 446
		2,75,195	16.14.19	21%	63	40,640	1,418	Punjab	11, 9, 30	6,829	1,486	i i		1,70,005
n elima elima	414	34,650		22	Påven.	743	981117	Gentral Provinces	121,0124		160	,	1122	27,40;
desta	***	1,82,424		52	118	10,126	975	Chipulada States	37,569		146	-14 84	energi energi	12,03.5
	161	6,141,365	.,	2,125	69	23,860 50,679	1,225	Berar	441				*****	
ecocion	***	4,47,972	411419	2,785		23,500	5,039	Bombay	7,1207	110	42	115- 94		1.7: 2,590
Agunto.	***	3,94,450		379 31	181144	16,393	113-0-	Pondudierry	80,610		1,23:	11		405,720
emninkp	***	at and a sec	*****		771	7,125	024475	Distrack Maranas I.	4 46 44 4	184*9*			118-17	87,6pm
AMALIS .	***	1,85,574		921	1 = 4 - 4 0	1,859	61,60v	(Phog place)	<b>2,48</b> ,81 ( 3,49)	300	1,011	1,54	100.15	164,800
Politica Pol	***	B. 715	100.04		111111	8,026	0.1000	Other places "" "" ""	9,424	7/01			4 2000	8,30 1 <sub>,</sub> 860
aved.								Grand Total of \$1987	1,30,50,837	50,000	57,3: A	11.1.1	6.13,682	19,964,930
tal of Bengi	إعران	41,72,443	17,378	18,905	2,637	3,66,120	209,130	Exports in			.	11,00	Q,10,10-9a	TAISONIANS
								October J 1880	1,12,19,076	63,831	93,20.	H,813(	1,13,132	6,147,596
BREAR.		- 444						The Soa-harne Trade of	Valculta in	these at	alpaten di	trisy O	a month	of October
B.	411	3,88,502	550	145	301 790	61,528	217,355	1887 was as follows:-						
abad	40	1,78,781	8,880	03 65	346	5,206	14,465		1	1				
Merpore Merpore		3,34,294 4,45,557	1 114	0.0	12	4,200	\$3,196 1,996	IMPORTED INTO CAUSSITEA-	Ra.	Re.	31 (16.	State.	Mdn.	No.
not hive		8.01.5.1	1,100	8%	679	39,756	01.266	From Foreign Ports-	(	ſ				
44464	P14 7	4.41,750	1101	3	143	6,561	13,015	Proted Kingdom us	197,97,698		15,200		d 78,098	ff2-14
parun	had .	4,21,179	141 15	14	44	10,177	17,255	Other Foreign ports	16,0.6	171713	524		2,36,123	2,500
Ayr.	100	1,93,158	DiMi	8	484	10.298	35,845	man had Namina Gards	the field of	1			10.000	2 45 44
проте		2,33,910	5,000	15	458	17,101	69,396	Total of Foreign Trade	08,84,114		15,642		0.13533	2,50
	-6.1	1,67,915	84 ff s	B	318	6,234	5,640	From Indian Ports-		,,				
R	201	4,500	W1222	hay 2-	491.44	2 000	500	Hembay	10,955	1.00,000		7,080	56,360	34,400
ni Perguna	ADS	1,28,733	770	308	748	14,565	32,000	Madrid	200	10,636	el'	501		
al of Baha	. 1	Se 64 000	27 400		6.591	- 00 440	450 545	Other ports in Madras	15%	10,000	111-11	.,	., .,,	****** #
MI AT THERE	Fire!	56,75,898	17,600	409	9,893	1,08,468	472,345	Beitish Burmelt	60	21.18	-15	47744		174.144
	- 1							Other Indian parts	380		-1 44	14111		519
Onmail	- 1		1 1		Į.							74.0	Ret states	Gu day
					Í			Total of Interportal Trade	11,460	139,67		7,631	66,549	3%,060
nk	491	2,544	perse	45	1441.	W-141	300	Grand March of Im Cours	39,07,390	1 40 40 7	1592	7.5-11	70,782	61,255
628	444	1,79,825	113470	6,210	113	12,489	48,440	Grand Total of Im- 5 :857	300,075,590	1,20,6 Gr 9 (4.56%)	N. 11.3		32,841	2,450
4 .		1,61,569	<u> </u>	6,361	118	13,448	48,900	POTES III DOMINEY SE ( 1350 ).	110,114,143.1	100 cmd (9-4)	,,			-1-50
al of Origin														

following Statement shows the several Routes followed by the Trade in the Principal Staples of Tradic exported from Calcutta during the month of October 1857.

	Corres Pil	CE-GOODY.	Corton	Wist	Nec   E.	Gunny-hage.
Spacingation of Rouths.	Enrepeas.	ladine.	Енгореви.	pajnu.		
	Re.	Re.	Mds.	Midu.	33 da.	No.
Surfrague Hallway	9,88,464 6,80,410 81,00,611 84,49,355 2,75,466 6,82,346	9,490 Ny,480 26,948 1,941	5,018 7,86 8,403 7,276 728 0,338	158 9,053 418 147 1,099	2,75,478 17,743 2,66,243 65,488 4,788 10,669	21, 934 6, 630 954, 5: 3 41, 125 5,000 10,204, 840
	1,30,50,857	\$3,000 90,651	27,398 23,122	11,474 11,813	6,17 (H) 6,13,131	11,989,490 6,147,346

P. Nolan, Secretary to the G vt. of Benyal.

# Meteorological Report of the Province of Benj

1						-			8	TATION C	BANK	ATIONS.					
SEAL DIVISION				AII	R PRESS	TRIB.	W11	rD,		·····		Tourn	ATURL.				_
M. Der Double de Capital de	Dietri	05.	Representative station.	Mean barofactric height, 10 a.m.	Mean reduced to semistel.	Variation from	Prevailing direc-	Mean wind velo-	Righest daring veck.	Date.	Lowest during work.	Date.	Ven maximum temperature.	Mean minimum temperature of week.	Mean daily tem- persture of week,	Variation from normal regard of work.	Press 10 4.W.
]I.		· · · · · · · · · · · · · · · · · ·	Gораїрого ".	20.033	30-060	+:013	S8W	_	80.3	24th & 27th Just	0.8	glet Jan.	78.3	687	23'5	+3'5	
4	Panese	"" P"	Fulse Point	\$0.075	(30.097	-1903	ENB	147	80'4	57th ,,	61.2	21st ,	77'6	B93	6816	-0.8	١,
5	Oatleak	198 Mar.	Onthock	\$5.008	\$6,005		NE, calm	31	62.4	25th	5514	zist "	83.5	017	71.0	-0'6	7
1	Balasore	mbel 941	Balance	30:047	30.109	+-017	N	65.0	7813	26th	4816	220d p	75%	99/8	66'8	-478	8
-	South-West M		Bangor Island	301092	30.119	+*017	NR	229	76.2	25th	51*2	21st	143	8710	6817	-5'8	61
	South 24-Perg		Midnapore	10.024	36-161	+.012	NE	63.8	10.8	gard	481	Slat	78'6	64.8	65*0	-3'6	
. 1	24-Pergunnahi	_	1		1	' "		***	""	\$37G		Zrar n		11		1 -36	ä
4	Howard	ms the	Calcutta	301106	3911239	+ 1/26	N	-	760	25th	47	Sist "	720	क्षेत्र	63-9	-816	
Brack	Hooghly	164 114							Ì								1
	- Bardwan	pris 14.		301026	30,150	+ 020	NNB	427	78.0	23ml	4614	2int .	73'5	24.0	61.7	-10	61
3	Bankoora	10 10	Bankoora	29.795	-	-	Gairn &	127	73 6	28rd	59.0	glat o	70'4	54%	63.6	-	Æ
No Brite. W	Bearbhoom West Bardwa	nt or	Ranceguige	\$9.776	39.100	+1019	NW	7074	70'9	23rd 41	47.6	Stat w	1978	53:7	613	-2.0	65
3	Reoratedapad		Berkampere	30:05:	30.135	+ 1140	XW.	44.8	74.6	gard	48:0	Stat	71%	514	617	—3·s	62
	Pudden		Krishnaghur	\$0°037	34100	-	NEANW	7 49%	7614		62.0	Blet	737	514	81'5	_	-
	Jamesre	)	Jounure	30-077	    39112	4 (030	North-	37.7	17:7		4616	Siat "	76'5	5911	6514		
- (	Khoolus	J	N. COMMUNE TO	3507	1 120		wasterly.		"'	33rd =		,				-16	
- 1	Chittagons	400	Chittagong .	30-02:	80-108	+ 025	NR	48	79.6	201100 09	49"7	22ad	78'0	849	66'5		. #
ŀ	Chittagong El	Li Tracis .	Demagici .	201083	301097	-ŀ^661	N OF	servata 47°G			481	f .	741	33 6	ge.j		
늴	Backergunge Neakholly	Det 1.	Barrisal	301076		+ '027	Calm	76-7	70 8	25(b, 27(l) 18(), 25(b)	40'0	Bist, Brad	764	51.7	63.4	-0.4	OT.
179044	Parreedpore	\$16 441	Farredpore.	801071	30*116	+1000	NE	33.0	73.8	25th 11	4015	Blut n	727	894	6914	-1·7	1
1					1	+ '033					48.0	4100	743				
41	Dacos	195	Dages	30,088	30107	F-037	Calm N.E.	141 2-6	77'3	dith 10	461	21st	76'9	18 9 11 4	6613	-3-8	
Į	Commilleh Memoningh	1-1	Mymonsingh .	Spres!	34111	+ (658	Calm	43.8	74'4	deth	44'6	2161	72.1	63.1	151-9	016 016	
,	Водтр	MH 141	Водта	803014	30'080	-	w	3819	75'3	asth	457	atet "	18:3	887	616		
.	Patna	jii 44	Sorajgungu ,	301062	\$0111	+,048	W	86'4	70'1	eard & tath	4510	wint "	73%	581	6110	9	
谢	Bajshahya	pr - 0	Lumpers Brau- bah,	90.010	56-121	+ '040	N	67.6	7612	23rd 11	48'7	Stud. at	7:3	4914	6914	-1'8	
Bureas	Maldah	H0 114	Maldab	90.011	-	-	P.M.	62.8	741'8	25th	42'8	3144 ,,	74 G	4974	62.2	-	
7	Dinagepore		Вшакерыя	29-075	30/102	+326	SkW	(3) U	78'6	2184 & 208h	43%	Slat .	70'9	49-7	60'4	1re	
BORTH	Hangpore	AL	Rungpoes	891172	30/106	+ 015	Oslan	\$6.98	74'0	gard & sub Jan.	4510	illet _	711	407	80'8	-9%	1
	Julpigoree	m m}	Julpignere	3F017	30.181	+1004	NE	0.01	7814	2415	67:4	rad ,	69.8	ažra.	60'4	-07	1
į.	Occen Behar	Tenata		21-976		100:5	Online	81.8	19.4	. mr. h	31%	Sist	40 +				,
	Darjeeling Hill Purpeab		Daryeleast .	71 m10	-	-000	Caller		12:1	25th ,,	41.11	2186 '95		25.4	343	\$3	ł
- 11	North Bhaguip	7	Purneah	201907	30/131	+ 125	Variable	4510	14%	25th	41'8	ilst "	661	677	P8.0 ,	-86	1
Benan	Mounflerpore	610 ht	Movafferpors				Ou	scrvalio	53 BITH	pended.						4	
1	Durbhoogs	nd 117	Durbhungs	29:954	30'132	+ 1/87	WXW	08.40	á°66	gosh as	49.3	Mand o	\$6'y	53.0	89'8	-80	1
Rotte	Chambergn	140 +110	Motilines	21/849	<b>30</b> '083	+.611	Kasterly	103.4	71.7	25th 1.	45:1	tted ,,	dg*1 (	40.2	487	-08	ŧ
ij	Baron	141 161	Chapra	29'014	36.123	+*925	BW	79°U	70'8	Sint, 2000.	461	Sist	63'6	90.0	58-2	91	1
	Shahabad	[	Bayar	291872	30°1.32	+ 440	Southerly E	192.3	78'4	etad	48'5	9206 er	66.7	68'0 40'B	57 t	-4%	
		1	Arrab	29-897	30106	+ '017	2	51.7	70:8	27md	629	Ring 19	66.3	49-9	477	47	i
	97a	449	Gys	20 707	30,108	-,613	Calm	80%	79:7	tind ,	65'0	Rint ,	68'4	59°U	50-0	-815	4
	Patria	dia ju	Bankipore	20'947	80:148	+*020	₩, 82	61.9	70'0	grod a	46%	Mlet =	65.9	49.4	864	-64	d.
100	South Bhagulpo	PR}	Blung nlpore	Sirbuá	00:07W	→.008	Wenterly,	E-9	70'4	Azud n	64'6	Stat "	70-5	487	104	-81	à
2	Monghyr	ر					- [				[	"			1		1
1	Southal Perguni Reparibagh		Boomka	#6.074 \$0.99.1	50-130	+ 1006	M. M.	62'4 199's	ĺ	ased 4	48°9	grat ,	16.4	80'0	104	-FE	À
O II	Lobstange Lobstange	100 ME		58.058	20-180					J-80.		alet "	- 1	4.9	58-0		
MAGROL	Kankhoom		Ranches	27961	30:129	+1905	MMM	137'6	71.8	23md & 254b	66%	Ret 3,,	67/9	<b>10</b> 74	M1	-81	
Αij	Singblicom	*** ***	Chysham	20 208	-	4 '918	North	25'5	80*4	264h 🖓 🔐	48.6	illat p	194	84 P	ri)		
<u></u> -						. <u>4</u> .	Sublatif.			- 2	10 m	100000000000000000000000000000000000000				And the second	er E

Regionation.—Summery.—The portred medius III air pressure and temperature are the actimation average or means at the ending temperature of the actimation is expressed as personal as personal air being represented by 160. A course are to denote at the particle of the actimation of average of the ranging in that district determines from how requirement, i.e. by the activities of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also as a facility of the activities are also activities and activities

or the week ending Friday, the 27th of January 1888.

		-			·		DET	aice of	ROBEVATI	UND.			_	
	amount	# J						RAI	HPALS.					
	20	f wee		Manank.		oe lit of mo	mth,		n 15th <b>May</b>	1887.	amber tays.	imber laya.	Riprocentative station.	Diltarer.
at 10 h.m.	Average old	Rainfall of week observing stetms.	Mean for district.	Normal mean.	Mean for district.	Normal mesn.	Veriation,	Mean for district,	Normal Mon.	Vaciation	Average number of rank days,	Sormal number of rating days.		· · ·
0	1.0	Nil	_	-	_	_	-	-	-	-	_	-	Gopalpore	,
		6-71		0.10		0.31	!		58*47			0.3	Pales Point	Posted *
778	\$10	0.22		6-13		0.52			28.60			0.3	Chattanh	Cathack .
\$\$	\$10	0.42		0.00		6:27	l i		53 '99			8.0	Dala	Dainsore
	610			- "									Low hills ***	South-West Hidnapor
<u>ا</u> عر	6'3	0.04	a491	0.10	0'R1	0.21	+0'50	Maria	62:47	→3*39	8.9	0.3	Sauger Island	South 24. Pergunnaha
18.	47	0179	9-84	0.00	087	0:36	+0%1	51'\$3	51'40	-016	2.7	0.3	Walnapore	Midnapora
100		•••		Ì									}	24-Perropash.
_ ]	63	626	1.04	6-32	1'04	0:38	+0%	41'54	52°23	-10.03	2.8	0.3	Calontta	Howinh
٦,		"						į			( [			Honghiy
ឆ្នាំ	59	1'43	1*23	0.15	123	0:36	+093	46°27	48.08	-0.63	2:3	6:0	Burdwan	Bardwan 41 de
71	48	1119	1*24	0.10	1.25	6.82	+0.92	70-78	52189	-173	2.8	0.1	Bankoors	Henkoorn
<b>"</b> }							+0 <b>10</b> 16	1 .0.01	15.40	<b>—4</b> -36		0.4		Beerlshoom
69	29	0109	0.40	<b>6.1</b> 1	0.42	0.38	70011	48:94	52.40	- a. c.	2.5		Ramoegutage	Wont Burilmen
19	70	0*28	9'81	0.10	0.83	0141	-0108	5914	19:80	+9'91	2.8	100	Berlampore	Moorehedahart
63	69	0.63	0*57	0.11	0'37	0.38	+0789	431.85	60-43	-6.8s	1'8	0.3	Krishneghur	Nudden
"					Boost	6.10	+918	42'48	13188	-11:40		0.3	1.	Jewsore
n	7'4	1:42	0.00	0°16	, <b>0</b> °98	0.00	70.0	94 10	Q3 80	-114	1.2		Justice	Khooina
78	\$3	1.18	]	0:18		0.91	'		114'07			9.4	Childngong ".	Chittegong
				0.53		0*51			82134			6.4	Domagiei	Chittagong Hill Track
UT	48	1.02	1.61	0.45	1:51 *	0.28	+0'92	60.83	78'28	~17'45	1.9	6.9	Burriant	Buckergunge
12	40	0.70	0.86	e:11	0:58	0.23	+ 0.20	73:88	10971	36'07	1:8	03	Nonkholly	Noukholly
71	40	0.36	งก	gr tō	071	0.58	4-0.92	30 62	16,16	-1874	1.0	0.4	Furnishors	Furreedpore
				On Bell	0.77		+018	40:19	61-10	-20.27	1.3	9.6	170 000	
- 1	89	0.45	0.90	0.15	0.90	0 36	1010	20.19.	n a	-20 31	' '	0-4	Daeca	Darest ni ni
64 <b> </b>	35	D.84		9:14	811.1	0°\$5	→0'24	Altirita		<b>—7</b> -01	1.0	0.3	Commillah	Committee of
76	4rk	0.08	0'11	0.32	0.11	0.22	-0.24	199164	67.00	-101	'"		Hyneusingh	Mynicasingh
ar I	90	0,03	6705	8410	0.02	0'35	-0.30	69:18	\$7191	+3'45	u/B	6.3	Beigns	Bogra «.
75	89	0.20	0%8	0°1u	0723	. 6:53	-036	44.53	13:87	-8.84	210	0.3	Фотарунора	Pubna
84	87	11.0	0.00	0.19	0.05	0.25	-0. <b>4</b> 8	49.61	54'15	-4 5X	0.2	0.4	Rampure Besuleal	Rajahuliya
76	84	91.8	0'07	B-13	0.07	8 46	<b>-6.8</b> 4 <sup>1</sup>	40.88	54.65	-817	1.2	0.4	Muddalı	Meldah
	_			0.1%	0:09	0.38	-0:39	69*15	68-18	+19/02	1.0	0.3	Dinagepora	Римкороге
28		0.08	0 49	0.69	0.21	0:40	-0'19	80-81	15.30	+7:45	13	0.3		Ranguaga
-	07	0.02	0'16	0*11	Ų 21	V 10	1 "	99.91	10 00	T 1 10		•	Kungpere	Juluigama
u ļ	69	0.99	0780	1.13	031	0:35	-0.04	117-73	110 53	+7':10	1.8	0.4	Julpagores}	Carrie Bahas
	P.1			0.446.4		0194			321'07			8'9	Barjeding	Darjoeling Hill Tracts
80	71	0.42		9540				ļ		ļ				Рогинай
	67	0.27	0*27	0.77	0'27	0.43	-040	46°\$1	18-01	+7'30	1.8	6.3	Curaosh{	North Bhagalpore
	4		0.48	0.49	9165	0:84	-019	47:20	43-33	+4.05	8.0	0.4	Moznifergore	Mosafferpore
	<b>76</b>	A:do	1 1	0.30	6'45	0100	-010	50-07	84'84	+573	13	914	Durhimnga	Durthings of in
67	76	0.00	0'45	0.33	-0.47	0.62	-0.18	49'42	46:47	+3.22	3-0	94	Notibari	Champaran
SE .	216	0.92	0.80	0.3991	850	0.63	+038	60 25	4371	-2:55	3.0	0-6	Chupta »	Baruu
73	eru i	-	1.90	V 80	# 40	1							(iolires)	
io N	■ : l	177	1:08	0.14	2106	0.80	+0.48	\$8:41	40:25	-1164	818	0.4		Shabubad
81.	77	1'07	7.00	A 14.	4 UP	4.00							Arrah	
	Red .	0.88	1'26	917	1'29	018	+0.18	39:29	41 102	2:53	3:3	04		Gyв
יי וו	97	3.07	078	0.14	1777	0.10	+028	36:81	61/67	-4.60	e·s	914		Patos
,	71	0,96	0-18	0.74	""	]	,	~"	p= =7		"			South Blaguipore
•	46.	10136	0:86	0.10	6.68	0-63	+0.30	42)160	18.08	+0.48	\$°u	0.2	Bhagulpore {	Monghyr
	R4	i sepan Alla	27	6109	0'41	0'56	4098	82110	50-69	+218	9:8	0.2	Domita	Bouthal Perguments
et .	77 /	0.40	V 12.75	6.12 p.12		0.49	+0.00	47'41	50.40	-3.19	370	0'5	Hamribegh	Hamribagn
4	1 .3	0.40	6.38	1	1.61	7	7000	34 99	the and	-5.0	{			Lohardag <sub>h</sub> e .
4	11	***	978	0 17	1:13	0.00	+978	48%s	46.46	-143	8.0	9'4	Retrot {	Manbhoom
11.	13 2 1	5.00	1	5.	laj .	0.00	+1/16	- 61-90	81/84	-010	8'0	815	Chyobassa	Singbhoom

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Statement of Raintall in Bengal for the week ending Friday (6 p.m.), the 27th of January 1886.

			<u>-</u>		P.	LINYALI, ,——,				Tor			Average		-
financo)gion!	District.	Station.	Saturday, Slat Janeary.	Sunday, Find	Monday, mrd	Tuesday, 24th January.	Wednesday, 25th January.	Thursday, 28th	Frday, 27th	Number of ra.by days.	Barntall of week.	Total rain- lail since lai of month.	total remain fall roun let of materith.	Total rain- fall erace 18th May 1897.	Average manifeli from les May less to date,
Miles er	Popres	Pooree		148 114710	116411	10/17##			0:02 0:37	1	0.31 0.516	0.05 0.31	0°17 0°21	31'48 39'09	6174 474
	. '	Banpar Faine Point Gop Pipit	191199 171194	DJ4		17069 . 950761		:::	3-5A	1	2,28	9.24	0 97	68-26	413 413
	Cuttack	Jagatangpere Hapki Cuttack Keadrapara Japore Dharmeelle Salepore	200 1 200 1	192411 164 11 10 + 4 10	107	0.01	0.80	6°64 0.43 0.28	0:38 0:71 0:90 1:00	3 1 3	0'46 1 62 (1'94 2 97	2.94 0.19 1.04	0.10 0.20 0.20 0.20 0.20 0.20 0.10	65°12 41°79 41°07	47 A 28 6 56 8 50 8 51 1
1	Bristone	Chandball Bhuddruck Boreb Balesore Jellasore Barrpudah		- 10	*** *	411)	0.80	0 17 0 35 0 86	1*25	Д. 9	I':17	1'87	0°81 0°17 0°14 0°30 0°17 0°30	44 18 59 38	541 513 523 54 3 55 6 55 6
DEFOAL.	Midpapore .	Contai Saugor Island Tuminok Midnapore Chartai Kukrainiy Herra Bhapenapore Garbets	411	11 7 7 1 4 1 4 1 4 1 4 1 4 1 4 1	n 14 9 09	**************************************	0.18	0°17 0 36 0 20 0 00 0°10 0 31 0 38	0°18 0°16 0 63 0 65 0 60 0 28	3 3 3 3 3 1	0 %F 0 70 0 81 0 88 0 67 1 106	0.36 0.70 0.43 0.49 0.47 1.00 0.47	0:37 0:94 0:43 0:43 0:37 0:7 0:7	40.18 70.42 80.43 47.30 60.20 62.67 41.36	51 % 61 % 51 % 48 % 54 %
	84-Panguninka	Diamond Her heur Casning Town Alipere Jail Harrankpore Dim-Dain Harnest Russerhet		43 to	0'07 0 05 0 49 0 48 0 18		011	0 21 0*12 0 12 0 13 0 14 0 21	1 10 - 0 6M 0 5M 0 5M 0 57 1 0 3 1 0 40	3 3 Nil	1.58 0.84 1.81 1.10 1.21 0.70 Nd	1417 6-120 1 78 2 110 1 44 1 48	0'51 P 0 51 0 30 0 4s 0'50 6 33	87 20 47 83 42 81 42 81 41 40 38 68 81 18	58°58 64 53 64 54 64 54 64°58
	Hewreh	Howenh Mohosreka (Oolobersak.)	+ (II 	#1184 #118F1	0 4! 0.68	,	0:48	0-17 0 18	0 71 6 70	3	6:97 1:636	1 1154	6.30	89131 39140	813 480
	Hooghly	Berampore Hooghly Jehanabad	\$14 II 413 IA	#11 17 #11	0-24 0 () 0 ()	tro by due de lbiterd	444413 444413	0°16 e 97 0°06	0167 0 83 1 20	3 3 3	1:03 1:54 1:54	1 ot 1 ot 1 36	0**1 0 d2 0*#6	36'03 40'46 36'31	40°4 40°4 61 40
	Burdwaa	Cuins Burdwan Cutwa Ranesgunga Montur	, 411 14 # PM	47 64 41 47 10 3	0.09 0.04 0.04	114	. 1144	0 18 0 55 0 40 0 17	1760 0 86 0 18 0 72	.5 .5 1 3	1'81 1 43 0'46 0 60 1 03	1:81 1:43 0:46 6:11 1:08	0°3, 0°29 0 40 0 28 7	28-13 46 16 46 11 46 11 43 80	414 410 413 413
	Bankoora ".	Bankoora Bashupore Makara Khatra Judas Anda Cangajalghat Baspore Sonamakas Sonamakas	20 10 10 10 10 10 10 10 10 10 10 10 10 10	110715 141 10 0 0 11 0	0 11 0 41 0 31	4 40 40 40 40 40 40 40 40 40 40 40 40 40	TEPPO E OPPO EM TEPPO EMPT OF OPPO OMA OMA OMA OMA OMA OMA OMA OMA OMA OM	0°64 6°58 0 34 0 37 0 55 1 40 0 25	0 41 0 00 0 58 0 57 1 35 0 93 0 77 0 78	8595818122	1710 1 62 0×7 1 30 1 30 1 40 0 9 1 0 93 0 98 0 78	2 18 0 02 0 07 1 15 1 10 1 10 0 31 0 18 0 18	0.25	43 49 25 36 48 25 42 78 45 78 45 94 46 94 48 25 30 24 30 29	8 18 3 44 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	Seerbloom	Bh. Scory Helampore Hampore Haci Bolpers	10-141 10-141		0.70		1 0 01 1 191 100 451	0 06 0 36 0 13	0°21 0°04 0°45	3 3 1	6 %9 0 36 0 46 0 44	0 to 9135 1048 0 44	0138 9 94 0145	60°03 61°16 44°64 61.78	#4.75 64.87 #1.71
	Nud <b>ice</b>	Ranaghat Kuhmaghur Choosiisiga Molerporo Kooshtsa	10 1 10 10		104 1 2 9 107) 20 10		7 94 11 - U 784 771 	0.07	0.19 0.29 0.80 0.40	1 1 1	0.48 0.48 0.54 0.48	1*15 0 dt 0 45 0 11 0 40	0 27 0 49 0 27 0 28 0 28	39:73 43 14 63 22 48 17 63:82	47'3 46 0 61'9 41'4 64 8
	Eheolus	Satishira Basubat Khoolna	194 A 488 G	10 1	* :4: :4:-4:	194 wn 4 74 96	44 15F	000110 00110 100000	0 04 1 99 0 60	1 1 1	0 04 3 90 0:60	0.00 1.8+ 0.00	0°41 0.57 0°58	40*78 \$3.20 42*96	10 H 61 4 61 4
:	Zecento	Namil Jessova Jheridah Magaerah Bongong	44,404 49 -204 1 4 11	****	601	40 ( )	7700 hs s in e hsbide	0.05 0.05 0.05	1:10 1:30 0:55 0:72 1:15	1 3 2 1	1 th 1'42 9'61 0'72 1'37	1'10 1'18 0'11 0'78 1'37	0 58 0*14 0*29 0*26 0*23	16'07 61'10 48 14 51 56 36 83	61.30 91.31 91.31 91.31
	Mecrapedabad	Kandi Borhampore Laibagh Azmuranga Jangipore Laiguiz Akiriyani Patkabari	101146 P11466 IP 140 44 (40	41 by 1 461 to 41 40 p 14 p 14 p 14 p	0.15 0.15 0.05 0.17	010	111 e1 110 e1 110 e1 110 e1	0.48 0.84 0.47 0.13 0.08	0.08	488887181	0.24 0.37 0.37 0.37 0.40 0.40 0.40	0 117 0 128 0 118 0 17 0 127 0 127 0 160	0:52 0: 1 0:11 0:54 6:63 0:51	47-24 5-188 67-76 49-76 65-760 49-24 54-66 7	\$1 01 公司 (1) (1) (1)
Librord Inc	Cattagong	Cor's Bazar Chittagong Kutubdia Saikanya	******	+- +1 fm	11*11*	PB0 407	A1149	Myana	0'34	1	**£5	018	0.07 0.07	110'00	366 B
	Cinfragong Hill <b>Tracks</b> ,	Rengamati Roma	100 100	*******	Pegano	******	118414	Wista	0 79	1	6.13	9772	\$794 \$748	36:30	
	preparante	Patuakhally Perosepore Burriest Bhola		00-00 441-001 01-001 4413-07	Mirel Mirel	010	certon chrise certon certon	0°21.	1:36 0:30 2:02 1:45	1 1 1	1/88 1/61 2/08 1/63	1'88 6'90 2'49 1'48	27	i,	

statement of Rainfall in Bengal for the week ending Friday (6 p m ), the 27th of January 1888 -contd

					₽.	LINPARI				Tot	TAT			*	
्रकामवर्षः व्यक्तमवर्षः	Diatrict	Hinteon,	Saturday tiet	Spader Stad	Vendar, Earl	Tuesday, 24th	herinostr.	1 hursday 20th	Friday, Erth	maber of	Ramfa'll of	Total cam fall since but of in oth	Average total range fall figure that of the tail figur	Total ruiti- fail since 16th May 1887.	sumfall from 184 May 1987 60 date.
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Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 27th of January 1898,—concid.

	,				R.	ATHUAL,	le .		1	Tor	Li.				,
Mocralogioni Piriajon.	District.	Atation.	Saturday, 21st January.	"unday, 22ad January.	Mondey, 23rd	Incadey, 24th	Wednesday, 25th	Thursday, 26th	Priday, Sith	Number of Easis days.	Rainfail of	Total rain- tall since dwof month.	Assume total rain fall from lat of month.	Total rain- fall whos less May 1987.	Avera rainfe from p May 10 to day
ORTH BURG	Marus	Gopalgange .			0,18	1		0 39	0.15	я	0.03	C.U	0:57	42'58	4
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OTH BEEAR	Rhahabad	Buzer .	10079	444	0.49	110-1	14 14 4 1	0.54	0.11	8	1716	105	0173	34:71	. 4
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	Ста п.	Aurungabad.	]	0.31	0:33	,,,,,,	N1-91	D-mm		9	0.73	0.73	0:48	20.06	
		lays.		0.44	1.84	111	101-47	0.03	******	- 5	1:04	1108	0.43	43.28	
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		A 2	18 10110	7	1.44		117-101	0°09 0°14	0.00		1.58	1'58	9	40'77	1
		Haudnogar		(0.0 dal)	0.70	-7314*	117141	der 1	,	3	110	1714	1	24.61	1
		Kajauli .	21211		0.50	101-81	*****	0.90	+44.64.6	2	070	0.70	1 1	36 45	
		Pakri Baran	DP		0160	,	pp	0.23		2	0.98	0.65	1	22-24-	
	Patns	Patna	4.		6:43	,,,,,,	4	0.58	121	9	0.89	0.81	0.41	37:17	ŀ
		Disapore	14*		0 49	******	808448	0.20	10:10	3	88.0	88.0	0.49	\$8.44	:
		III	4911		0.02	ŀ				8	0.114	Autr	0.22		
		the Land	444 8222		0.00	0.14	122.42	0.50	0.10	2	0136	0.32	0.41	\$6°06 40°05	
		RP71	***	14 14 18	0.77	448487	.,	91.0	0.114		0.140	1.00	1	35'64	
	Mungher	Begoverni	0		0*73	!		0.10		2	0'32	0185	0.21	•	
		Indiana a bases	00 Acces		0.48	125.447	1 -141	0.15	*****	2	051	0.22	0.91	48°08 47°19	
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		401 11			0.40	141414	мини	101701	44141	Mil	200	Na	1	42.63	
	Bouth Hoogul-	Hamen bruge		1	0.50		114114	0.10	0.0 F		0'34	0134	9194	41:93	
	pore.				(1'25	******		0.08		2	0.11	0.22	0144	\$91.83	] .
	, ·	Kolgung .	*	-18365	0.15	190111	117441	,,,,,,	+4****	1	0.18	0.18	,	43'45	
	Bouthel Per-	Bajmobal .	In lat w	101111	0.08	*14***	100 75 5	0.03	0.00	8	0.18	6.14	0.14	17-91	
	Lrosspa.	Mar a constant	104	405***	0.13		4-4	a.d-va	0.108	3 7	0730	0.94	0.95	441.44	
		Nya Doomka	101.0		0.50	Japana Japana	41.41	0.03	0.09	1 11	0.43	0.32	0.54	59'07 46'25	
			40.00		0.83	Sants	.,	0.02	0.00	2	0.49	6'49	0141	47 20	
	· '	Manager			0.43	11214		0.19	0.02	ų.	KP(D)	0.63	0.34	58'49	
1		Bi-committee and			0.08	.,,,,,,		,,,,,,,	0.13	2	0.50	0.59	1 5	88-74	
UTTA NAG-	Hageribagb	Pagnamba	01			PHILI	]	0.12	0.00	5	6'44	0.01	0.53		
Fb.		(Giridi).			1		1		1	١.,	6:99			41.91	'
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		Kemghar	193 194111		6.40	191.44	14 171	411741	51941P	1	0.40	0.40	1	8074	
	Lohurdugga.,	Louarduggs			0.41	107.181		0.51	0.05	8	0.84	2:40			
		Union and	491		0.18		******	180	0.08	3	0'48	1.20	0.83	64:27 67:63	
	<u>'</u>	k.41.	46111		0.50	40.07	*10***	0.39	1,000	3	1.02	1.83	6.72	60.08	
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		447404	W	. 0.30	j	i			1				1 7		
	Niggibboom	Спунины			0.78	10144)	,141111	0'34	0.63	31	1'60	1'84	9:54	F1'99	
		Chakradhar.	•		0.89	444,		0.18	0.46	2	1'58	231	1	19:13	[ '
	1	Ukateilia			0.66	441-14		0.50	0.83	8	1.20	1'89	,		
		Bohareyura	h	1	0.14	441.114		0.18	0.30	3	6.03	0.67	1	64'88 89'86	
	Кимерови	Paralis			0-17			0.58	85'6	3	210	1:21	0*37		
		Gobundpore	114		0.15	414***	111144	0.11	0.10	3	0138	0.44	0.44	45°34 29°01	'
	-	Roghunath-		T .	0.11	******		V-18		8	0,40		F	37'43	
		Burrachoon	h ,,, .		,,,,,,,,	144***		0'61	0.60		1.51	1.51			
		Jhalda	191 1915		1	145*51					- 61	6.97	;	49.18	
		Caus	121 1000	1	0.25	11114		0.10	0154	8	0.64	0.91	1 1	1	

Exploration.—Indicates that no term has failed. If the return for any day ness not necessarily, the corresponding space in bot lank. If any of the return the weathing the corresponding spaces in the total valuable exists blank.

Calcures, the Sist January 1888.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 27TH OF JANUARY 1888.

THE meteorological conditions of the past week in Bengal have been mainly dependent on the development and advance of an area of barometric depression which made its appearance over Northern India, and which afterwards drifted in a south-easterly direction over South Oriesa and across the Bay of Bengal. On Friday the 20th, or the last day of the previous week, the weather conditions over the whole of Inois were fairly normal, except that a large low pressure area was appearing, the centre of which was south of Quetta and west of Jacobabad. On the 21st the area of low pressure moved to the cast-south-eastward, and a large diffused depression existed over Sind, Guzerat, Central India and the Berara. On the 22nd the depression concentrated and became rather more local, and the centra appeared to the west of Ajmere and Jaypore. On the 23rd the depression travelled slowly south-castward, and the centre was near Sconi in the Central Provinces, while on the 24th it had advanced to near Raipur. On the 25th and 26th the depression continued its east-south-easterly advance, and on the 27th it was near Gopalpur, and it subsequently crossed the Bay of Bengal to Akyab. This depression or feeble storm has naturally very materially influenced the weather in Bengal, and the usual north-east mensoon conditions became almost entirely reversed. The reversal of the conditions commenced in the western and northern districts and gradually spread over the eastern and south-eastern. Thus from about the 22nd skies clouded over and rain commenced to fall in South Behar and Churia Nagpur; these conditions extended to parts of South-West Bengal on the 28rd, and on the 26th and 27th disturbed conditions existed over the whole province and moderate to heavy rain became general in all districts. At the same time the northerly wind current which had been previously blowing over Bengal became almost reversed, and light southerly winds were reported in many instances. Humidity also rose very rapidly, while the night temperatures increased, though the day temperatures still remained low. Thus at the close of the week dull gloomy weather with rain and decidedly low day temperatures prevailed generally over the province.

Barometer.—Pressure was increasing at the commencement of the week, but from the 24th m rather rapid fall set in, owing to the advance of the depression. The falling barometer then lasted till the end of the week. The mean pressure for the whole week for the whole province has, however, been in excess of the normal by 0.02 inch. The excess pressure has, however, been largest in the north of the province, where at Durbhunga it has equalled 0.057 inch, while in the southern districts the excess has been generally small, and at False Point the pressure during the week has been even slightly in defect, thus showing that the southern districts of the province were being most effected by the advancing depression.

Temperature.—The mean temperature for the week has in most districts been largely below the normal; thus in Chutia Nagpur and South Behar the defect of the actual from the normal mean temperature has been between 4° and 5°, in North Behar and South-West Bengal the defect has been about 3°, and in East and North Bengal it has equalled about 1°, though in Orissa the small defect of 0.6° has been registered. For the whole province the mean temperature of the week has been 2.4° below the normal.

As has been previously stated, the day or maximum temperatures have shown the greatest deficiency owing to the cloudy weather and rainfail, and thus at some stations the average maximum or day temperature for the week has been 7° and 5° below the normal, while at Hazaribagh and Gya the defect has been between 8° and 9.° That the defects have been principally in the day temperatures is seen from the figures in the following table, where the average maximum, minimum and mean temperatures for the week at nine typical selected stations in different districts of the province are compared with the normal values for the same period. It will be seen that the average maximum or day temperature of these nine stations has been 5.8° bell withe normal, while the average of the night or minimum temperature has been only 0.6° in delect

Table showing the excess or defect of the actual temperature from the normal mean for the week ending the 27th Junuary 1888.

	mear ionxi-	toe the week	of the actual tem- nerature	mun tem-	Actent meza mini- men tem- perature for the week anding 27th January 1898.	Ereass or defect of the nemal tempera- tare from the nermal mean.	Normal mean daily tempera- ture for the work ending oth January.	Actual ment daily tampe at tare for the week en larg 27th January 1888.	of the netural terriprest-
Outtack Caissatta (Aliporo) Dacea Burdwan Pattas (Batkipore) Gya Petenan Lamribagh Lamriba	85 4 77 9 78 3 78 0 78 6 78 6 78 5 78 5	83:5 72:0 74:5 68:5 68:4 68:3 40:0	-18 -89 -87 -51 -77 -61 -73 -61 -45	80°8 86°7 84°3 84°3 81°3 81°3 87°7 80°5 33°0	61.7 53.9 53.0 54.0 50.0 60.7 60.6 60.6 60.6 60.6 60.6 60.6 6	+118 -114 -117 -118 -119 -116 -116	73.10 06.74 06.77 01.4 06.2 01.16 02.6 89.1	72*6 63*1 64:3 65:7 65:7 65:0 55:0 57:0 86:3	- 9 % - 3 %

Rainfall.—The causes of the occurrence of the general rainfall during the week have already been discussed. Rainfall has been heaviest in Chutia Nagour; South-Behar and South-West Bengal, where the amounts have averaged almost an inch; in Orissa and East Bengal the falls have equalled an average amount of nearly two-thirds of an inch, and in North Behar a general fall of about half an inch has been received. The rainfall has been smallest in amount in North Bengal, where, up to the close of the week, the average fall had only amounted to 0.15 inch. For the whole province there has therefore been a general average fall of 0.64 inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 27th of January 1888:—

		7	'DMPE	BATUR	1.					i k	AINE	Kā.			-	
	g week.	r esh.	Avera	ges for	week.	above or	(	)î <b>10</b> 00	k,	£	rinž di	ys.	Sinos	is of nib.	Hiper May	1867.
METROROLOGICAL DIVISIONS.	Ukheet obserred during	Lowest observed during	Highest of each day.	of lowers of each day.	Of mean for each day,	below normalisems of	- B 467230.	Normal average.	Factations	Arterage number in week,	Normal average num-	Variation.	17673	Normal average.	Average.	Normal average.
Orian ,	85'8	4818	78-7	61.0	6978	~0.0	0 80	0.10	+0.40	1/8	0'3	+1.2	0:80	0184	41.22	5417
Bouth-West Bengel	70.8	4319	73.2	5318	63.9	-31	0.84	0.15	+0'72	2'3	0.3	+2'0	0-85	0.37	47'58	52:19
Hast Bengal	79°G	45'5	74:0	62·B	63.6	-1.0	0.82	0.18	+ 0*49	1.3	0%	+0.9	0.02	0'46	30'15	74'58
North Songal	76%	42'8	7813	8018	61.4	0'B	0.19	6:11	+0.07	1.3	0.4	4 6*₽	040	0.86	73:70	70'01
North Behar	72'1	42.9	67:22	50°0	581	-2.7	0-44	0.21	4 01%7	2-1	0-5	+ 1.4t	0.48	0'87	62.20	48/47
South sehar	75%	42'9	67.2	4910	58°d	~4'0	0.80	0.15	# BYO	215	0'4	+ 2'4	0'84	0.40	42-09	43108
Course Nampur	71%*	48'4"	66.6.	48°G*	57'6*	-4.0,	H185	0.12	+0.40	2.8	0'4	+24	1.39	0.44	45'71	49:37

<sup>&</sup>quot; Chysbassa not included,

MATHOROLOGICAL OFFICE, BREGAL;

A. PEDLER,

The 31st January 1888.

Offg. Mateurotogical Reporter to the Goot, of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 22nd to 28th January 1888.

					TEMPERA	ATUIK.		İ	Вт	GROMETRE.		
Mowre		Date,		Means.	Meripus,	(८.सगद्र ७.	Niuîmuw.	Mean wet bulb.	Vapour bensiss.	Dew point.	E-midity.	Rain,
1668.				•		-	•	4	Inches.	1	*	luche
anuary  23  25  27  27  28  28	and and and and and and and and and and	22nd 23rd 24th 25th 25th 26th 27th 28th	100 100 100 100 100 100	62-7 58-9 64-8 65-5 60-9 68-4 64-6	75-4 65-9 76-1 72-9 72-9 09-1 72-4	25 0 13 0 21 2 13 0 18 0 11 7 18 9	49 4 52 9 54 9 59 9 56 9 57 4 58 5	54 5 56 5 61 7 59 1 50 3 62 5	*318 *439 *517 *418 *445 *556 *458	40 6 54 9 59 9 54 0 58-1 61 9 56:5	56 89 86 66 90 95 75	0 0 0 0 0 0 0 0 0 1 0 7

			-
The mean temperature of the seven days	180	4 # 4	62.8
The extreme variation of temperature	1 = 4	4.84	26.7
The maximum temperature	***		76.1
The season selection to see the			%
The mean relative humidity	***	***	50
The total fall of min form Offed to ORAL forman	1000		Inches,
The total fall of rain from 22nd to 28th January	1929	+41	1:11

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and ninimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Ohowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. Pepuna,

The 80th January 1888.

# Results of the Meteorological Observations taken at the Ahpore Observatory from 22nd to 28th January 1888

****			bright	Meter	1	'nmess	ATURE			Нуево	CETRY		Wind		minu aq	· · · ·
Month,	Date.	Maximorn in cun	Number of hinrs of	Men presume barometer	Meio	( BEITGER	Kange	Vibina	Ueni wet hurb	Vapour t nason	Dun pount.	Hamidily	Provaming di isti n	Mi'es rec ried.	Ran	₩ <b>#4</b> ∓程 <b>3</b> %,
1888		o		In mea	æ	0	0	0	0	lur -	0	1%		t-ta	in .	44 tru
Jan	\$2nd	126 9	87	30 058	60 7	737	24.3	19.5	636	0 320	468		Calm sad v mad Jo	1.	Nil	( bretly clour, _
12	23rd	81.6	Mil	051	59 1	650	12.5	53 5	55 9	409	53 3	81	N by Ean I calm	3]	0 11	thirtly (loudy)
11	210%	183 1	55	021	6J 9	71 1	190	551	603	49.2	57 9	82	N by C, W NW and	<b>9</b> 0	Nil	Chicky cloudy,
10	2%h	124 1	53	030	647	716	11 3	60 3	50.2	432	513	72	NVE and tales	4,>	0 n <sub>y</sub>	Charly stantly,
ı,	26th	128 5	29	ጋክ ዓዋሶ	620	73.5	17 1	5b 4	58 0	432	549	78	INF and variable	nj	0 17	Chilly rloady,
	27th	м3	05	912	G3 1	bb 1	101	58.3	61 1	510	59.5	87	ENC and N	73	0 %7	<b>&lt;, Δ.</b>   Ω u b = σ, ρ =   d   p =
-	28tlı	127 5	98	915	62 1	706	11	\$9.2	ñ7 8	421	ñ12	76	NNW and NW	£4 <sup>'</sup>	0.02	Morning clouds dy day and maht claur o, g da
				re of the				ng pe	 riod (	or 24	year	s, 8	. G.'s Office		30 0 29 9	

The mean pressure of the seven days  Che average pressure of the corresponding period for 24	 years, 8.	G.'s Office	4 >	30 00 <b>8</b> 29 996
The total number of hours of bright sunshine				Սատ. 33⁺7
The maximum possible number of hours of sunshine	100	191		76 9
•			***	O
The mean temperature of the seven days		•	4.0	62 3
The average temperature of the corresponding period for	r 21 yean	s, S. G.'s O	lice	68.5
The extreme variation of temperature	144	111	100	24 6
The maximum temperature	***	141	**	74.1
				Milea
'he highest velocity of the wind in one hour	••	14	***	10
•				禁垣
the highest pressure of wind on one square foot	***	841	180	2
				%
he mean relative humidity		***		77
he average relative humidity of the corresponding perio	d for 24 y	ears, S. G.	s Office	70
				Inches
he total fall of ram from 22ad to 28th January 1888			***	0.92
he average fall of the corresponding period for 24 years	s, S. G.'s (	Office	***	0.11
he total fall from 1st to 28th January 1888	111	194	903	0.92
he average fall of the corresponding period for 24 years	s, S. G.'s	Office		0.28

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the suces, and are suspended four feet shove the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86,

formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcost, g gloomy, d drizzling rain, p passing temporary showers, t thunder, < lightning, and dew , = fog.

A. Pedler,

for Offg. Meteorological Reporter to the Govt. of India.

MOTEOROLOGICAL OSSICE, GOVE. OF INDIA;

#### MEMORANDUM.

THE table annexed to this memorandum shows:-

1. That during the week ending 7th January 1888, the birth and death-rates of the principal Municipalities in Bongal amounted to 210 and 260 per 1,000 of population, respectively, as opposed to 25.6 and 30.7 per 1,000 respectively, in the preceding week ending 31st December, indicating a very considerable decrease in the registration of both.

2. That they were registered in the highest proportions by the following

Municipalities :-

		Births.				Death	8.			
				Ratio pur						Ratio mer
Narainganj		***		49.7	Subarbs of	Calcutta	147		***	48.6
Howrah		***	***	3013	Utterpara.		,			37.8
Durblanga	***		***	28.3	Kishungar				,	37.8
Hughli	e4 I	443		2512	Beauleah		,			36.8
Bhagulpur		144	144	28:1	Serampur	100	644		411	35.4
					Narainganj	***	411	,	*11	33-1
				1	Hughn		***		***	30.9
					Howeah		***			30.3
					Burdwan				***	38.0

3. That, contrasted with the results of the preceeding week, it appears that there occurred a sensible decrease of mortality from fever and bowel-complaints, notably from the former; fractional decreases in fatal results from cholera and the maladies grouped under the head of "Other causes," and no variation in fatality from small-pox and injury :-

				Ratio per mille du	ring the weeks ending-
				7th Jan. 1888,	Sist Dec, 1897.
(tholera	114			2.9	\$5:45
Small-pox	***		***	'03	03
Fever	141	141	***	112	19/3
Bowel-complaints	F#1	***	141	44	515
Injury	***	P1 6	m > +	2	5
Other causes	884	- 4 5	***	81	8.3

4. That in local incidence of the diseases above named, while no Municipality presented noticeably high mortality from small-pox, bowel-complaints and injury, the following Manicipalities exhibited the death-rates noted opposite them from cholera, fever and "other causes."

Cholera.		Fever.		Other causes.	
Santipur Suburbs of Calcutta Dacca	Participer mdf 140 161 32	Beauleah Naranganj Kishnagar	Ratio per mille 31.5 2.00 24.5	Seramour Suburbs of Calcutta Gya Kishnagar Bhagulpur Puri	Rata per wille 18:7 13:4 13:0 11:3 10:9 10:5

5. That the mortality referable to Sex, Class and Age, stood as follows: -

According to S	eæ.	According	to Class.		Acc	ording	to A	ye.
	Ratio per multe			nulle.				Ratio por wille.
D - slag	115	Christians Hindus Mahomedans	949 469	26·1 26·8 27·6	Under 1 1 and un 5 10 15 120 120 140 150 150 150 150 150 150 150 150 150 15	ider 6 ; 10   15   20   30   40   50   60	yeara ,	1749 303 161 72 199 180 198 224 284

R. Lidberdale, M.D., Deputy Surgeon-General,

14s 28th Jenuary 1888

Sanitary Commissioner for Bengal.

District   Property			The same of the last	ì																											
		4		-	a the	myon	, , , , , , , , , , , , , , , , , , ,		,	,	l -		_								MOR	TITE		ORDIN	70						
Marchester   Mar					#UP-UIN	TEMPS.			4	T WILL	,								a	Sectio.									eñ.	,	
Property   Property		PANTE OF	UNIO		-		5	d E		Rarto I	PERTON				DEAT		1	 			Par .	18.0	POPULA L.	A	# - II	mm add1511111	PBATH		T (= 15 T)	of the late	ој илја од илја од илја
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on as Santraux Collegenorus, von Bureau,

# CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 2-th January 1888, as compared" with the corresponding week of the previous year.

		Wese R	eding Saturi in January	DAY, THE ISSN	WREE PY 2011	OSTRA DENG PSF ZB+TFAL	SY, THE
NATERE (	OF CARGO	Author of costs	Manicht of	Tollage	Number of boots	Wright of	Foltner
		No	Mds.	B4.	No	Mds	$R_{\mathbf{k}}$
Rice and paddy Jute Firewood Other articles	***	1,832 241 90 961	4,99,075 1,07,075 59,700 <b>2,1</b> 8,080	0,693 1,856 909 3,251	1,745 86 105 910	2,62,667 66,126 (4,860 2,20,795	5,096 1,000 877 3 J50
	Tota	3,121	8,53,930	15,638	2,516	6,04,438	10 293

## Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of October 1887, as compared with the same month of the previous year.

	16	307.	1886	3,	To	TAJ.		
Staples.	[fp.	Down.	Up.	Dows.	1867.	1886.	Increase.	Deores
	Tous.	Tons.	Tons.	Tons.	Tons.	Тора,	Tom,	Ton
Cost Cotton pare-goods	4,554 10	13 5'449	3,988 12	1,852 42	7,400	8,270 51	2,136	*****
1.—European— a.—In ludes and bundles	2,479	200	E,466	214	2,679	1,622	1,087	******
2Rice	2,2%9 765	1,573 3,4.5	81 t 52a	1,779 61)	\$,662 4,315	2 000 934	1,572 8,864	14. <sub>119</sub>
1.—Hide of callle— b.—Patressed	18	ens	17	892	610 /	pug		29:
1.—Raw— a. Screwed b.—I merewed 3.—Gunry-base and cluth	10 69	8,022 40,831 1,544	 	4,413 30,600 1,088	#,022 #0.#41 1,603	4,413 39,599 1,148	009 30,845 456	Par 440
detals— 3.— Brass and copper, wrought	1,010	88	£09	19	1,128	542	866	4
List - Leptonite	265 174	6 13	350	19	270 147	369	274	29
2.—Til or gingelly	201	417	174	39	838	213	<b>4</b> \$8	*****
2, Betchnits 3, Others . all way plant and rolling stock . th	57 2-6 2.844 2.420	967 163 818 8	24 183 1,195 1,190	117 252 866 4	424 453 2,710 2,428	151 435 2,061 1,4,4	283 (855	*****
IKEK —	468	249	227	187	707	414	974 203	file tight
2.— (nuraneu		1.789		1.948	1.789	1.849		161
1.—Timber	129	143	D4	60	272	164	108	
2.—Firewood baces Lother articles of more handse-	1,939	IM Noti	1,803	37 900	1,357 943	1,346 947		******
1.—Unmanufectured ty, straw, and wooke (C. & S. E. Section)	1,770 218	1.407	1.159 312	890	3,273 318	2,139	1,13+	
Total	20,541	62, MM	13,10M	40,324	83,90¢ .	60,482	24.286	713

Includes Duces and excludes tocal truths of the Northern Bengal and Kanues-Dhorita Ratiways during 1888.

			INCREA	BB.				
								Total.
Сов1		-6-	141		(44	444		2,180
	tilla purposes principo							3
	da			491	*1 *	1++	***	1,057
Bart Comment	ies to up-country mart	m on the	e occumina of	the poojulus.				
	14 414	448	4+4		***	148	***	1,572
From the northern as	etion principally.							
	100			***			***	3,384
Good crops and a favo	ourable market.							
Jute		111 -	414		444	***	***	10,944
This increase is price	ipally due to the inter	ruption	to traffic in	Octobur 1886	caused by	the failure	of the Pu	chooris bridge.
(igony-bags		101	***	***	***	la s		464
Corresponding with th	he incresse in grains a	nd seed	S.					
Metals (bra-a and	I copper wrought)	115						588
Manufactures for don								-
689		214		48.	***	444	194	-425
	nt in the English mar					***	194	200
Railway plant			140	***				655
For repairs and renew					***		114	000
Salt	3-							014
For the hide exporting		***	14.6	944	•••	844	***	974
	g stations principally.							

The decrease appearing under hides, oils and ten are comparatively insignificant and are attributable to ordinary fluctuations.

CALCUTTA, the 19th December 1887.

F. P. QUINLAN, Examiner of Accounts.

DEGREAGES.

# Bengal Coutral Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of October 1887, as compared with the same month of the previous year.

<b>4</b>			18	67.	14	RB.	Tol	u1.		
Stapura.		ļ	Up.	Down.	Up.	Down,	18/7.	18%.	Increase.	Derress
			Tons.	Tons.	Tons,	Tons.	Tons.	Tons.	Tons,	Total.
leal			811		56]		851	561	F1 ha	210
lotton, taw	4.04		1 )	2	3	1	3	4	.,	1
B.→Indian m	941		į			,				
Atton pero-goods— 1.—European—		- 1	1							
a. in bales and bundles	E a>	***	} 131	hha 144	64	1	131	53	76	
5.—In hoxes 2.—Indian—		***		1		i	Į			
a. In bales and bundles	100		1				ĺ			
5,—1n boxes	441	[	,							
2.—Rico	00	***	6	204	R	स्य	210	107	103	
5.—Others Lidos and Skins – 1.—Hiden of cattle –	***	***	97	65	152	6	162	157	5	
a, - Dressey			)				į			!
5.—Undersæd 5.—Skins of sheep, &c.—	100	· ' i	į .		Ì	00	99	_		!
a,—Dressed	***	14-	· ·····	93	111144	29	9.3		11	i - 66
on Undrewed	***		f	į	,		1			
uto-	***			i		- 1				t
1.—Raw—		1		150	****	1.5	i	53		[
bUnscrewed		***	16	4,248	41410	658	4,281	658	8,000	
2.—Gunny-bags and cloth	• • • •		1	7	2	1	8 (	3	h	101.,.
1,-Copper, unwentedt		. !	)	1	i					
2. Brain, unwrought 8.—Brain and copper, wrought	100	[	!			- l				i
4Iron	***		41-	10	12	- 1	54	18	34	410100
6 Qiheri						-	ì			]
tie—	***	- 141			j	1				į
2Kercaino	***	***	48 38	*****	66		48 36	C5	48	
ilmeds	711		~			.,,,,,			BH-7-	1
1.—Lineard	***	144	]				1			
3.—Til or gingelly	***	304		.						
4Niger ies	14*		85	98	43			4:1	40	*****
6.—Castor s	¥	100		Ì	ľ				į	
7.—Others	· · · · · •		'						İ	
2.—Betelnuts	***		5	3,96	184 494	76	841	79	263	******
3,-Others	141	н	32 6	38	1 <b>9</b> 2a	18 37	63 45	98 84	33	****
altway plant and rolling stock	-17		126		97	.,,,,,	126	1/7	29	2
IRAT—		١,	. 1		1	ĺ				7.1.11
1.—Drained	***	111	80	236	7	92	266	119	107	
ood-		1.			1	-		i		
1.—Timber	,		26	17	13	494	43	18	30	41171
thereo or er er			21	48	18	23	63	41	22	114114
I other articles of merchandise—		3	400	110	100	220	ga=	811.1		
1 Manufactured		::: }	480	118	119	113	607	292	376	******
To	nal		1,523	5,416	1,194	1,207	6,939	2,401	4,549	311

		INCREASES.				
Rice		441	**	10)	***	Tons. 103
From Singhia station principally.  Jute From Singhia and Khuolna stations	principally.	***	00.6	140	449	3,600
Betchuts For export to British Burms. Sugar This increase ill due to a slight imp		rket which	has been for	rsome mon	the part in	167 a depressed condition.
	Dr	Orileep,				
Coal Due to sufficiency of stocks at Kho	olus, Bongong and	Nowapara i	ór Railway	and Flotille	purposes.	210
CALCUTTE, the 80th Januar	y 1888.		F. P. Qu	JINLAN, J	Examiner	of Accounts.

# Weekly Return of Traffic Receipts on Indian Railways.

#### EAST INDIAN RAILWAY

Approximate Return of Profile for week ended 21rd January 1888, on 1,513] miles open

<u> </u>			-		- ==		_			
	Covenia	G TRAPPIC.		and Minerag	1	Total	TRAPPE	· IRAIN MIT	. 基订票格单位是。	
,	Kumber of passengers	Conclusion root the	Weight	Receipts	(entitinated)	Gardininga Assert	Concluing	Merrinan- dise	Total	
		Ru a P	Жан и	Rn a P	Виде	Rear		-		
Total traffic for the week	279 200°	\$ 240×1.9 10°	20,08 (/91 /91	4.15 117 E V	39 1"2 \$ 6 11 6 J	9,61 373 1 m 4 di 1 6		J01872}	166 81 à	
3042 .	518 BH2	6.30 ft 7.12 - 0	£7 97,761 20	146 0 7 3 99	40,356 9 0	20,10,30 4 0	187,6%2}	21 4 (1.3)	342,536	
Potal for 8 works	707 16 1	) IN 110 5 0	\$1,05 \$97 To	19,011 4 7 9	00 828 5 (4.0)	99,71 oit   [F-4]	3100 (21)	318,526[	609,750	
COMPARINOS,										
Total for corresponding work of persons text  Per mile of rational corresponding in merk of president sea.	2 12 Ot a	246 417 1 H	23,m1,006 311	5 × 8 * 75 1 1 3 1 5 4 1 0 1 0 1 0 1	18,010 12 (	9 0 181 0 0	Ø1 3 <sub>4</sub> 13.	102 945	17] 639	
Lori to considering mere of	tine u12#	8,01934.15 1	उन्हान गर्भा	2015 178 4 9	\$7 102 11 A	590 2 7 29,76,314 34 4	241116	834781	345,976	
					-			- (		

<sup>.</sup> Ha merius, in Cossina traffic is principally the forthe Combin-Mela at Allabahad

Approximate Statement of gross receipts of the Fast Indian Rashway, prepared in accordance with Public Works Department Circular to AAI, Rushway, dated 23rd July 1883.

	TO POR WERE			PTH WOR WHEE I JAYT ERY 15		TOTA \PEIL	1 RECRIPTE PRO 1850 TO 22mp J/ 1857	M for	Тота АРки	i apceipte per 1887 fo 21st J. 1888	OM INT	Total	Total
Mean milesgo worked	Recorpts.	Pur nule worked	Mesn militari Sorked	Bectilita	Per auth worked	Venn milense vorked	Total recorpts	Yee null worked Pit Wilk	Maan nalenga worked	Total recespts	Per nula worked far neck	1888 1864-000-10	dru remin m BRSB
	Ea	Rn		lξz	Ra		Re	Ra		Ra.	Ra	Rs	Ra.
1,616	₽ <sub>8</sub> 0\$,181	59h	1511	4 tt] 37 <u>1</u>	635	1515	9,71,85 093	884	1,517	8 64,00,348	671		7,45,667

# PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st January 1988, on 67 i miles open

Marie Marie	Coa Chino	TRAPFIC	Marchivour A		Other earnings	Total	1 BAPPIC	Train-mil	 16 kvp.
	Number of pass tigers	Conclude recepts	Weight carried	Recipts	(estanated).	NAGIOTAE	Coaching.	Merchan-	Total.
		THE A. P	Wps в	Rs a P	ka, a, P,	Вадр			74
Intel traffic for the week Or per male of rankwat For previous 2 weeks of half-	12 /53 221	7 819 13 0 133 1 <sub>1</sub> 39	38,864-20 870-40	2 100 R 0 45 B 8	84 0 0	10 176 11 0 177 11 8	1,897	421	1,868
Jost	26 567	19,753 8 6	64,460 0	\$,932 t 0	56 3 0	17,635 14 0	5 /25	1,503	4,786
Total for 3 works	a r 219	11,308 11 0	1,04,984 29	6,423 9 B	80 D a	27,816 8 0	5,419	1 814	7,296
COMPARISON.									
Per mile of railway corresponding	10,960	5,492 9 6	42,618 50	2780 12 #		8 253 D U	1,761	=	2,394
to corresponding date of	181	91 4 5	745 0	49 12 4	1 8 11	114 4 9	Miles	914.001	
PERIOUS YOU	36,26%	17,001 19 5	1,26,169 30	8.767 19 6	149 8 9	25,020 14 9	5,889	2,8\$4	7,701

Approximate Statement of grove revenues of the Paina-Gya State Rashaw, prepared in accordance with Public Works Depart-

Recent 221	TO TOU WEEK	PTI-LNO BA7		to pok wypk 33 January 11		TOTA	I BBORSPTS FRO PRIJ 1880 TO 25 JANUARY 1887	UP.	lora	TANDAN 1888 PRIC 1887 TO :	in the second	Total	Total
Meen gilene vorkei	Receipts	Per mili mixtel	Mean dra o works ii	Reonipta.		Wenn milesge waked	Total receipts	Per mile Worked Per Work	Meun muleage worked.	Fotal receipts.	Fer mile worked per week	1000.	decrease in 1889.
47)	Rs 8,214	PR iHi	571	Ra. 19 177		17]	Ba. 4,84,520	178	67)	Ra. 6,06,643	Ra, 160	e10 takg	Ba. 24,877

# DILDARNAGAR-GHAZIPUR STATE BAILWAY.

Approximate Return of Traffic for week ended 21st January 1889, on 12 miles open

	Содскія	e Invesic	MERGIFARISH INC	itic Thu Minert	O'ber earnings		Talin-Rills non
	Author of	Conclude Tectule	Weight rarned	Receipts	{estimated} Total parsum	Concluse	Merchan- Total
	!	Rs & P	M re B	E4 4 7,	BOAT BOAT	:	
Potal traffic for the weak Or per mile at radway For presions 2 weeks of half-	1,282	600 7 B		65.2 2 6 65.5 6	15 th ft 1 1 5 o		\$89 689 <u>4</u>
lot.	6,078	1 179 ( 0	42.111.30	977 5 1)	17 R P 2174 3	p   eq	avii 087
Total for 3 weeks	10 % 0	1809 13 0	07743 20	1(2) 7 U	28 8 9 1 127 12	0 1914	410 1 1802
Comparison							!
Total for corresponding week of presions year Per units of realway corre sponding week or previous	2 753	\$P\$ 0 8		537 10 B	4 4 1 E <sup>14</sup> 3		151 408
Lors to consendent date of heaten	។ ២)គ្ន	40 N 1 1 128 13 10	!	1,381.11 6	0 5 10 69 0 19 11 0 2729 4		1 H 1630

Approximate Statement of gross receipts of the Dildaenagar-Ghazipus State Railway, prepared in accordance with Public Works Department Cocalar No AAI, Railway, dated 23rd July 1865

REGEIPTS FOR WP	184) PR 19190		er Jancary 18			L RECEIL TH FROM RIGHT 1 1 1 TANGUEL 1897		411	exemple proj (II 1587 to 18. (ANT AR) 1865		-	
Mean missign worked Receipts,	Per mile work d	Mess uniquae worked.	Records		II an paile ne worked	lotal recespts		general state	Potal recepts	Pr notic work d pr work	Total tin pense in 1895	Total decrease in
Re.	Ra		Ra	Ra		Rh	II.s		Re	Rq		I
12 824	6.7	13	1 51	1113	11	37 41	75	12	24 9[0	77	1 050	

# SINDIA STATE RAILWAY

Approximate Keturn of Traffic for week ended 21st January 1888, on 74' miles open

_= == _= _						_	_				_		-
	Сотсили	TRIEFIC		MERCHAN	DISE Exat		KA L				IRAPPEC	TRAIN MILE	a Rox.
			_				-	Other ent		Loto3 energings		-	
	Number of passencers	Conclum Terespas		Weigh		Rectip	ts.		,		Cont hing	litere haz ngg	Total
		На л	P		 B B G	ks	A I	E - Re	A. 1	Rs # 1		'	
Potal synfly for the week Or per muse of rule of	4,417	3,4/13 6 46 I		87 1,	20 99	4 pat Sii	k 7 14 0		4 0 10 7		 	Felt 2	214)
For previous 2 weeks of helf-	8,884	हमाछ र	0	1 70 5	28 16	10716	<i>b</i> (	224	10	17 KC7 13 - 6	1.28	£ 60\$	n o₄ s∉
Total for I weeks	13,701	30,412 11	Ð	2,57,48	+ 6	ta 205	ч ш	414	7 0	2' 00 11 0	1 11	* <sub>184</sub>	1384
COMPARISOR.										:		i	
Tatal for corresponding week of previous year Per mile of railway correspond-	6,1134	4,59\$ 10	4	1,07 9	17 30	5,)141	13 0	11	4 6	0 89K 33 3	477	F 200	1,000
Ing week of previous year		61 6	10			69	9 3	1	4 2	25' 1 1			
headons Ame. **	10,988 t	29771 0	1	8,95,4	i8 20 	17 778	15 0	210	2 6	7 ל ומצים	2 187	3 (109	F 086

Approximate Statement of gross recorpts of the Sindsa State Railway, prepared in accordance with Public Works

Department Circular No XXI, Railway dated 23rd July 1883

	ero Jaruary i			te you were t			L RECEIPTS FR LPRIL 1841 FO JANUARY 186	#YD		AE RECHILLE PH PROLITY FO 21 ARMARY 1894	er	Lotal increase	Potal degrees
Mean Wilesco worked.	· Receipts.	Per mile worked	Mean maleage worked	Receipts.		Mean Milenge Mean			Moan nuleun worken	Potal receipts	TO TO THE PORT OF	**1 1000	is test.
146	24 (9,100	Ba, 382	74	. Re. 8,019	Ro.	742	<b>Ra.</b> 4,15,d16	Ka 190	761	No 9,80 870	Re. 115	46 724	W 430
	10		<u> </u>		<u>l</u> -	<u> </u>		_					-

#### TARKESSUR BRANCH BAILWAY

# Approximate Return of Traffic for suck ended 21st January 1888, = 2:1 easter open

<del></del>						·			
	Coachibe	I RAPPIC	HERCHARDISE Bleas			Majal	Thappic	Train-mile	e bun.
	Number of	Con hine tectpls	Weight carried	Recupta	Other extremes (estimated)	Total earnings	Loading	Merchan-	Total,
		На д Р	Mos, a	EA A F	Re a. P	Ra A 1			
Total smile for the weak Or per mile of ruleus For previous 2 week of ball-	1: "01	4925 IS 0 521 4 30	6,385 0	195 JO 1	5 4 C 6 1 4	116 B 0 2.0 15 0	902	00	368
TEAT	1 (1)	8 670 2 b	14 304 10	467 12:0	11	1.547 0 6	1 417	เเก	1 936
Total for ? wetks	56 021	11,794 1 1	20 BH E0	But 11 0	11 u n	1/4 3 2 0	2 719	185	2,904
. COMPARISON									
Table for norresponding with of previous tear. Per table of rullway correspond- ing week of patting to a re-	17 677	4,613 (1 5	8 (71 10	257 8 0 11 0	733	4779 ( 8 210 4 8 1	924	45	files
Total in corresponding auto of previous year	( 19 2F)	12 SJS - 8 - 1	20 11 40	681 11 0		11'57 7 h	2 147	1125	3,102
_		1						<u>!</u>	

Approximate Statement of grown receipts of the Tarkessur Breach Rarlway, prepared in accordance with Public Works
Department Circular No AXI Rushway, lated 23rd July 1883

				and the same of		•	<del>-</del>				
	ripto por 1 Ziri) Janu		RECEIPTS 1 : 2007 de	OR STALL RADIA NUALA 1833		767. T BECKIES ER		COTAL RECEIPTS PRO PRO 1987 TO 187 da ANNS		Potel	Total decresses in
Mean mileage worked	Re cipts	Per mila worked		escriptor (Prof. )			ter mile Mi worked nits til wo		Peri tris c scorned peri ar k	1988	1889
1	$R_{\rm E}$	Rs .		lie i lie		Кa	Re	RA	Ru	ltv	
24	4175	210	22}	6 116 25	213	1 9(1 239	304	221 2 (7 %)	223	17,610	

# EASTERN BENGAL STATE RAILWAY

(Including N. B. Dacca, K. and D., and Assay-Behar Sections).

Approximate Return of Traffic for week ended 14th January 1888, on 646 miles open

		_				1	,			
	COACHIE	6 Тжатги	c	MERCHARDIAN TRAI	AND MINERAL PPIC.	Other enturings (solution),	Total	TRAVEIC	TRAIN-MIL	es sur
	Aumis r of passengers	Con lar		Wright	Becc (pts	and the state of t	dair qualgu	('osching	Merchap. duo.	Total
		Ba .	A P	Mos .	Ин др	Вадр	Rµ ▲ P.			
Potal traffic for the week Or per mile of raffway For previous 1 work of half-	112514 174	61,234 Võ	0 0		1,07 H#1 0 0 167 0 0	11,207 0 0 1 0 0°	1,80 148 0 0 261 0 0	\$1,422	29,687	48,100 mate
POT PRETRUIN E NOOR OF THE	110 205	69,400	# 6	4 6 : 561 0	1 0 1,051 0 1	12,493 0 0	1,40,716 6 0	<b>2</b> 3 259	25,308	44,687
Total for 3 weeks	231 740	1 20,434	8 0	9 84 9h I Q	\$ 14 904 0 0	23,704 € 0	3 6 1,128 0 0	44,881	43 905	36,676
Comparison								1		
Total for corresponding week of provious year Par mile of railway correspond	165,8781	t 6,650	• 0	4,91,278 0	88) 206 O 0	9,1-32 0 0	1,10,968 0 0	19,30	18,871	36,020
Total to corresponding date of	203	170	0	720 0	148 0 0	1 0 6*	<b>263</b> 0 0		141700	21440
Measons Pers.	260 個性	1 16 186	0 0	8,19,784 0	1,61,100 0 0	19,918 0 )	2,45 180 0 0	41,592	31,414	78,636

Exclusive of Steamer carmage.
 Includes monthly notes.

#### FINANCIAL YEAR.

#### Approximate Statement of grass receipts of the Eastern Bengal State Rusling

	=	_ =									-		
##6#1P7 161	re for wrin 1 H Januare 186	ndisa N.		78 POR WHEL I M JANUARY 18		1	BECRIPTS DROP APRIL 1988 TO B JARVARY 1987		· ·	HECEPIS PRO PRIC 1887 TO R JANNARY 1988		Total	Total
भेडेक्स प्रात्तेश्वरूक स संदेश्वर	Becerpta		Mean mileste worked	Becatpta.	Par marked	Mean mitoage worked	Total receipts		Mean mileste worked	Total receipts	Per valle worked per wook	1867-88.	decrease in 1887-95.
	Re	Ra		Re,	=		Ra.	Re,		Ra	Ra	<b>R</b> 4.	
405	1,69,988	JA7	616	1,80,388	280	606	00.00,000	286	048	74, 33,328*	289	110,85,695	â

<sup>.</sup> Andited up to 3/4 Describer 3887.

# BENGAL CENTRAL RAILWAY.

Approximate Beturn of Traffic for week ended 14th January 1888, on 125 miles open.

	COACHIN	TRAPPI	c.	Миксили		erd Min pric,	122	A)	Other earsing						Train-mi	M RUB.
	Number of passengers,	Conch		Woight earried.		Recei	pt:	•	(selimeted).	Total	68,7	П11 <sub>1</sub> ,	Rta.	Соления,	Morohan-	Total.
af	i	Щĸ.	A, P.	M ds.	ß,	du,	۸.	P.	Rs. 4. P.		ļa,	Α,	₽.			"Winner Japan
Or per mile of railway	<b>20,</b> 800 100		0 0	30,720 aps		8,746 08			30 b 6	11,	Ф 112	0		5,501	1,700	5,320
For previous 1 week of half-	21,04KI	7,000	0 0	36,33	D	3,631	U	0	70 O O	! ! 15,	891	0	0	3,561	1,709	5,210
Total for 2 weeks	41,505	14,916	0 0	75,045	0	7,577	b	0	180 0 0	22,	118	Đ	1)	7,003	1,438	10,428
COMPARISON.																
total for corresponding week of provious year Per mile of railway correspond-	20,60K°	7,420	0 0	\$1,260	В	1,515	0	ø	13 4 0	ļ   ⊌,:	15 k	0	0	3,000	8,541	5,210
ing penul of previous year Fatal to corresponding date of	213		1) (t	170		11			ter a c		72			******		+****
providen year	(8,02)	36,261	13 1)	41,143	"	2,495	()	"	66 Q Q	19,0	112	0	(I	8,003	3,188	11,190

<sup>\* 6,449</sup> Monthly tickets.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Rengal Central Railway.

	TH FOR WERE H JANUARY 18			PTS POR WEEK			L ERCHIPTS FRO APRIL 1886 TO TR. JANUARY 19	)		L URCEIPTS PRO APRIL 1897 TO THE JANUARY 198	8.	Total	Total
Mean gaileann worked.	Recorpts.	l'er mile worked.	Moan mileore worked.	Recoipts.	Par mile worked.	Nean milesge worked.	Total receipts.		Monn milesga worked.		Per mile worked per week,	1867-58.	1587-85.
	Rs.	Rs.		Br.	Ra.		Ba.	Ra.		Bs.	Rs.	Rı.	
125	8,954	72	125	11,112	Ri	125	4,48,002	97	125	6,30,104*	101	\$2,100	*******

<sup>\*</sup> Audited up to week ending 3rd December 1887.

#### DACCA STATE BAILWAY.

Approximate Return of Traffic for week ended 14th January 1868, on 86 miles open.

	COACHIN	g Traypic.	Munchampise That	and Minbrad 1910.	Other carnings	Total carnings.	Тватого	Tagen-meg	ER BAK
	Number of puseousers.	Coaching remiats,	Weight curried.	Receipts,	(estimated).		Concharg.	Merchan- disc.	Total.
		Ra. A. F.	Kbs. s.	En. 1. P.	Ba. a. P.	Ra. a. P.			
Total traffic for the week Or per mile of railway For pravious 1 week of half-	18,257 164	5,04G 0 0 58 0 0	15,076 0 150 0	1,648 0 0 19 0 0	40 0 4 3 0 0	6,600 0 0 78 0 0	2,001	903	103,K
TOME AN ARE THE THE THE	14,627	5,253 0 0	24,335 0	2,521 0 0	50 G \$	R,727 0 ()	2,163	(BOS	2,964
Total for 2 weeks	27,784	10,250 0 0	27,008 0	4,470 0 0	90 0 0	14,8 8 6 0 ;	4,163 ,	1,705	6,313
COMPARISON. Total for corresponding week of previous year	11,680	3,628 0 0	12,201 0	1,358 0 0	A8 0 0	5,015 g 0	2,178	H <b>0</b> 7	2,942
ing period of previous year	188	<b>42</b> 0 0	148 0	16 0 0	H4101	19 0 0 E4			11 848
OPerious year	25,940	8,301 6 6	24,954 0	2,842 0 0	96 0 9	11,529 u 0 i	4,75%	1,602	8,394

#### FINANCIAL YEAR.

Approximate Statement of gross receipts of the Davea State Railway.

Luciae	THE POR WERK THE JANUARY 18	BN DING	Moan milana	TO BOR WERE I I JANUART 180 Secripts.	Per mile	I.S.	L RECEIPTE PAGE APRIL 1886 TO THE JANUARY RE TOTAL PROSPER	1	Mean		j	Total Derensu in 1407.85.	Total decrease in 1897-88.
99 4	e de la companya de l	2a. 86	298	31.8°. 8,45\$8	Re. 18	•	Re. 2,08,542	Rs.	86	Ro. 2,40,421°	Rai, GH	84. 33,87k	27 a 5 7 4

# ASSAM: BEHAR STATE RAILWAY.

## (PURBEAR SECTION.)

Approximate Return of Traffic for week ended 14th January 1888, on 39 miles open.

	Содония	TRAPPIC.	Ивеспалота Ти	r and Mineral Levic.	Other earnings	Tolal curnings.		с Твати-же	ma avil.
	Number of	Courbing receipts.	Weight earried.	Recorpus	(estimated).		Coaching,	Merchan- dise.	Total
		Rs. A. 1	Mns. s	Ra. A. P.	Re. 1. P.	Rs. A. P.			
Total traffic for the week Or per mile of railway For previous 1 week of half-	2,467 63	928 0 26 0			20 G O	2,540 0 0 60 0 0	546	546	1,00
Lot brothold 1 week by high-	2,785	885 0	0 35,078 0	1,389 0 0	18 9 0	2,283 0 0	540	549	1,09
Total for 2 weeks	6,239	1,181 0	u 35,256 0	3,021 0 0	80 0 d	4,868 0 0	1,002	3,0112	2,18
Qumparison.				1					
Tetal for corresponding week of previous year		estebl		401		250 001	sat		
ing period of previous year		-1 phd	4			-32.44*	,,		
Bleatofte Leat. "" "" ""	4941-7	-2248	** ***	- 144	110141	264	84447	41111	+10 100

## FINANCIAL YEAR.,

Approximate Statement of gross receipts of the Assam Behar State Railway.

	P FOR WEEK			TH FOR WERE			E RECEIPTS PROPERTY IN STREET, 1996 TO 15 JANUARY 1887.	TH	-	a. Aboriets ym April 1887 to Th Jaduary II	,	Totel increase	Total degrees
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********	+1117		25	2,539					50	92,252*	53	82,251	461441

<sup>\*</sup> Audited up to week ending 3rd December 1887,

# NALHATI STATE RATEWAY. Approximate Return of Traffic for the week ending 21st January 1988, on 274 miles open.

N.	Сотсин	d TRAPPIC.	MERCHANDIAE TRAI	AND MIRREAL	***		TRAFFIC	TBAIN-WILL	k <b>m</b> .≭
	Number of passengers,	Coarling receipts.	Weight carried,	Remipts,	Other sarnings (untimated),	Товя[ еленация,	Coaching.	Merchan- dise.	Total
		Rs. A. F.	Мэн н.	Ho. A. P.	Rs. A. P.	Rs. д. р.			
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Post on an are an	5,392	1,106 8 6	37,423 0	2,964 0 0	23-0-11	4,025 0 (0	1,018	688	1,704
• Total for 3 weeks	0,177	2,101 0 0	64,513 0	2,830 0 0	81 0 0	3,876 O U	1,527	DSD	3,486
Gentrabieon.									
Total for corresponding week of prettom year	1,744	1,051 11 v	31,120 20	040 8 0	67 13 6	1,783 0 6	. 509	254	763
ing week of previous year	101	34. H e	410 o	28 10 0	2 4 0	08 7 n	,,,,,,	731111	-8+ 1-1
previous year	7,923	2,446 1 0	51,5KL (I	2,572 4 0	124 7 6	6,642 13 3	1,608	1,000%	2,349

# FINANCIAL YEAR.

# Approximate Statement of gross receipts of the Nathati State Reilway.

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			MEEK 188		\$1s.	TRIOR WREET	R, (20186)	A	PRIL 1886 TO SE JANUART 1887.	ND:	AF	BECRIPTO FRO BIL 1987 TO 21: January 1668,			Mar.
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- d.		4.6	Rs.	Ro.		Sa.	Ra,		Ita,	ite,		Ro.	ita,	Bu.	
113		4.	1,783	85	211	1,850	698	27)	68,054	80	201	<b>79,17</b> 3	48	6,919	ante d

# TIRHOOT STATE BAILWAY

Approximate Return of Traffic for the week ending 21st January 1888, on 259 miles open.

	COAURING	Тваругс	Merchanding The		Other min age Total		Traybio Train-Miles Rus.		
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<sup>·</sup> Steam buil earn new est lucket in calculating. Total carnings per mile of Railway.

#### PINANCIAL YLAR

Approximate Statement of gross receipts of the Terhoot State Rushian

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Darreling, the 24th January 1888.

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H Braun, Acting Secretary, D. H. By.

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# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, FEBRUARY 8, 1888.

# OFFICIAL PAPERS.

Non-Subscribers to the Garren may receive the Supplement separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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Abstract of the Proceedings of the Council of the Lieutenant-Governor of Bengal. assembled for the purpose of making Laws and Regulations under the provisions of the Act of I arliament 24 and 25 Vic., Cap. 67.

The Council met at the Council Chamber on Saturday, the 28th January, 1888. at II A.M.

#### Dresent:

The Hon. SIR STEUART COLVIN BAYLEY, E.C.S.I., C.I.E., Lieutenant-Governor of Bengal, presiding.

The Hon. G. C. Paul, C.I.E., Advocate-General of Bengal.

The Hon. H. J. REYNOLDS, C.S.I.

The Hon. C. P. L. MACAULAY, C.I.E. The Hon. T. T. ALEEN.

The Hon. Sir HENRY HARRISON, RT.

The How. SIR ALFRED CROFT, K.O.I.E.

The HON. MOULVIE ABOUL JUBBAR.

The Hon. G. IRVING.

The HON. BABU KALI NATH MITTER.

The Hon. Dr. MARENDRALAL SIRCAR, C.I.B. The Hon. C. H. Moore.

The Hon. Dr. Goorgo Das Bankerks.

# CALCUTTA AND SUBURBAN MUNICIPALITIES AMALGAMATION BILL.

HIS HONOUR THE PRESIDENT said: - Before calling upon the Hon. Sir Henry Harrison to make the motion which stands in his name, I have a few suggestions to offer to the Council as to the best method of proceeding with the business before us. I have noticed that the amendments which have been printed are rather confusing. We have the same amendments proposed in different words by different members of the Council and we have also the same amendments proposed two or three times in different sections of the Bill. But on looking into the amendments I found that they all group themselves into two or three different heads, and by grouping them in this way we shall be able to raise debates practicully on the different heads to which the amendments belong, and then we can put to the vote the amendments separately under each head; and with the permission of the Council I propose to do so. For instance, the first question raised in the amendments is that of the amalgamation of the Suburbs with Calcutta. Technically speaking, these amendments fall under Chapter I, which is not now before the Council. Chapter I being, as I fancy is usual in drafting, the chapter of definitions, is left to the last I think in all Select Committees it is usual to leave the settlement of the definitions virtually until you have the whole Bill ready. On the other hand, it will obviously be unreasonable to go on discussing the constitution of the Municipality without allowing the question as to the amalgamation of the Suburbs to be raised, because the whole object of the Bill is really to provide for the amalgamation of the Suburbs with the Town; and if amalgamation is to be refused, why the whole Bill will go. It will be observed that amendments Nos. 1 to 4 deal with the question of amalgamation, and that amendments Nos 7 to 9 are dependent upon that question. I, therefore, propose that that question be first discussed. That might, if the hon, member agrees, be discussed under amendment No. 7 which stands in his name, and in that case I would take amendment No. 7 first. On the other hand, although not strictly in order, I shall not in the least object to amendment No. 1 boing put as it is, although that part of the Bill is not before us. But as at present advised, I propose that we should take amendment No. 7 first and raise a debate as to the amalgamation on that amondment.

The next group of amendments touches the question of the number of the Commissioners and the proportion of nominees. It is difficult to separate these two questions; they are mixed up in the amendment and in the drafting of the Bill, and I do not see how they can be taken separately. It will be observed that amendments Nos. 10 to 17 all touch upon that point. Then amendments Nos 18 and 19 are separate, and they do not come under any of these groups: and again amendments Nos. 21 to 23 are all amendments touching a subsequent point, not as to the number of Commissioners, but as to how they are to be distributed. So that leaving out amendments Nos. 17 and 18, we may divide the amendments into three groups—1st, as to amalgamation; 2ndly, as to the number of Commissioners and proportion of nominees; and 3rdly, as to the distribution of the Commissioners, and I shall ask the hon, member who proposes the first three or four amendments to deal first with the question of amalgamation, and when that has been discussed I will put his amendment to the vote. I shall then ask that the question of the number of the Commissioners and the proportion of nominees be brought forward; and thirdly, the question as to the distribution of the Commissioners, and I shall then put these to the vote. That is what I propose to do with the approval of the Council.

The Hon. Sie Henry Harrison moved that the further preliminary report of the Scleet Committee on the Bill to consolidate and amend the law relating to the municipal affairs of the Town and Suburbs of Calcutta be taken into consideration in order to the settlement of the clauses of the Bill.

The motion was put to the vote and carried.

The Hon. Sin Henry Harrison also moved that the clauses of Chapter II, Part I, of the Bill be considered for settlement in the form recommended by the Select Committee.

The motion was put to the vote and carried.

The Hon. Dr. Gooroo Das Banerjer moved that in section 5 the words " and all rights and interests in immoveable property situated within the area by this Act added to the Town of Calcutta, which are now vested in or held in trust for the Commissioners of the Suburbs of Calcutta" be omitted. He said :- This implies that I oppose the principle of amulgamation on which the definition of the Bill is founded, but technically speaking that definition is not before the Council. But as ( hapter II, Part I, is before the Council, and as section 5 refers to that Chapter, my amendment that this portion of section 5 be omitted, implies that the scheme of amalgamation on which this section and the subsequent section, and the other provisions of Part I, Chapter II, are pased, should not be accepted. In moving this amendment I am bound to say that I speak with some hesitation and diffidence, seeing that my views are opposed not only to opinions which are certainly entitled to very great respect, but may be taken to be opposed to already settled and accepted principles. Nevertheless there are certain objections against the principle which to my humble apprehension, appear so strong that I deem it inv duty to place them briefly before the Council for their consideration. First, I submit that the scheme of amalgamation fails to secure the object for which it is intended. That object is to improve the sanitary condition of the Suburbs of Calcutta. Now the scheme proposed is not one of mere federalization of the suburbs and the town, but one of complete amilgamation between the two, with a uniform rate of taxation all round. That means that taxation in the Suburbs is to be at least doubled if not trebled. Now this sudden pressure of increased taxation on the poor population of the Suburbs, a population consisting for the most part of poor clerks, petty shop-keepers and labourers, will inevitably drive a considerable number of them to places beyond the boundary, places which, as we all know, are less suited for purposes of habitation than those where the present crowded bustees are now located. Then, again, we shall have much less efficient conservancy arrangements than we have under the present Suburban Municipality. The result will be that, instead of crowded bustees in the places where they now are, we shall have almost equally crowded and filthy bustees springing up under less advantageous circumstances for purposes of municipal administration, and the diseases which now prevail in the area to be amalgamated will spread in an aggravated form in places in which it will be impracticable to reduce them by adequate conservancy arrangements. The town therefore will continue to be as contaminated by adjacent crowded and filthy bustees as it now is.

Then, secondly, I submit that the present scheme will impair the efficiency of the municipal administration of the town. The scheme adds to the present town with an area of matter little over 6 square miles and with a municipal income of about 28 lakhs of rupees per annum, an additional area of about 12 square miles with an additional income of at most 6 lakhs. It is impossible to understand how this can help affecting materially and prejudically the efficiency of the present Town Municipality. Nor will it affect the administration merely by reason of the amount of pecuniary resources. I venture to think that the time of the higher officers of the Calcutta Corporation is fully occupied in the work they now have before them, and it is not likely they will have sufficient time to undertake the additional work which will necessarily be placed in their hands by the amalgamation; but if they have spare time in their hands, no doubt the northern portion of the present town needs all their time and energy being devoted to its municipal improvement.

Thirdly, I submit that the scheme of amalgamation will be attended with injustice and hardship in the area proposed to be taken up. The rate of taxation being uniform all round—the taxation in the Suburbs, as I have already said, being increased two-fold, if not actually three-fold—it will naturally raise expectations in the Suburban residents to have the same municipal advantages given to them that the present town enjoys; and no doubt they will be justly entitled to all those advantages. But will it be possible for the new manicipality with every possible economy to give them anything like those advantages? It is difficult to see how an income of 34 or 35 lakhs with an area of over 18 square miles can do what an income of 28 lakhs has done for the

present town area of 6 square miles, and this after making all due allowances for differences in respect of density of population in the town and Suburbs.

In the next place the proposed amalgamation will destroy the homogeneous character of the present town. At present the municipal boundaries of the Town of Calcutta are co-extensive with the ordinary civil and criminal jurisdiction of the High Court. Under the proposed scheme, part of the municipal town will be subject to the ordinary original civil and criminal jurisdiction of the High Court, and another large part of it will be subject to other jurisdictions. And this will be no mere theoretical anomaly, but will lead in many cases, as in the case of prosecutions for municipal offences, to approciable practical inconvenience. The municipality will have to keep two sets of officers—one to conduct prosecutions in the Calcutta Police Court, another to prosecute offenders either in the Scaldah Joint Magistrate's Court or in the

Alipore Court. Lastly, I submit that, whilst the proposed scheme is open to these objections, it is not after all necessary. When I say this, I do not for a moment mean to say that the sanitary condition of the Suburba does not stand in need of immediate improvement, or that it is anything like what it should be. I quite agree with these onlightened members of the European community who first drew public attention to the subject, and to whom our best thanks are due; but what I do submit is that improvements need not be effected in this sudden and forced manner by creating such a large disturbance in the existing state of things, but that it might be effected by slow degrees under existing arrangements. The failure of the Suburban Municipality to cope with the evil up to this time need not make us despair. In the first place the evil complained of is due to certain inevitable causes. I do not mean to say that under measures of sanitary improvement, well directed, the death-rate in the Suburbs may not be reduced; but I beg leave to point out to those who criticise the administration of the Suburban Municipality, that there is one cause of that death-rate which is independent of the sanitary condition of the Suburbs as far as it can be affected or altered by any municipality. The population of the Suburbs consists, as I have said, of poor clerks and shop-keepers and labourers, and as it is well known that they do not enjoy the means of living in a style such as the majority of the residents of the town, they must necessarily fall easy victims to disease. Death must create greater havoc amongst the poor than amongst the wealthy. Therefore poverty must be remembered as being one of the factors in the case, and so far as it is a factor the Suburbs cannot be improved unless the condition of the residents is improved. Then there is another matter to be borne in mind. The newly constituted municipality has hardly yet had a fair trial. The Suburban area is being divided into tolorably manageable wards, and the constitution of the Suburbs placed on a popular and broad basis. If it is allowed to have a longer term of truel, and if, as the Government of India suggest, power is given to the Government by this Bill to alter the limits of the municipality from time to time, the existence of this power in the Local Government will produce a most wholesome influence on the municipal administration of the Suburbs, and will make the Suburban Municipality strain every nerve to effect improvements, for they will find that necessary to ensure their own existence. If in addition to this they have aid from the Government, and if the Calcutta Corporation augment the income of the municipality by occasional contributions in accordance with an amendment which I shall have the honour to move in its turn, under these favourable conditions the Suburban Municipality may produce the desired effect, slowly though it be. yet surely; and then, as I suggest, if power is vested in the Local Government to alter the limits from time to time, the ultimate remedy, viz. amalgamation, may be resorted to if all this fails, and then without its being open to objection Then nobody will be able to say that the Suburban Municipality has not had a fair trial, or that the people of the Suburbs have been subjected to taxation without necessity. No one will feel the inequity of the measure, and the people will submit without opposition. Until, however, the Suburban Municipality has had this fair trial, I submit that the forcing of this measure will be attended with hardship, either real or imaginary; and in either case it will give rise to discontent, which ought to be avoided as far as possible.

The Hov. Babu Kali Nath Mitter said: In this matter I am in this position, that I am to a certain extent responsible for the introduction of this measure, because when the Chairman of the Corporation proposed to make certain modifications in the administration of the town so as to aid the Suburban Municipality by extending the water-supply and drainage system, I objected to it on the ground that, while the Suburbs would be benefited, they would not pay the same rates as the town I therefore recommended that certain parts of the Suburbs be amalgamated with the town so that the measures which the Chairman proposed might be given effect to. That amendment of mine was carried, and that, so far as the Corporation of Calcutta is concerned, is how the matter was disposed of. Therefore I consider myself pledged to support this measure of amalgamation. I was also a member of the Committee which the Government was pleased to appoint to consider this matter, and in that Committee I also gave my assent to this proposal. I did so after the fullest consideration, and I am not prepared now to withdraw from that position. I think it is a deplorable state of things that a person living on one side of a road should not have the same advantages which persons on the other side of the road enjoy; that, although to all intents and purposes the former are members of the town proper, yet as far as sanitary and other measures are concerned, they do not get the same benefit. That is the strongest argument for amalgamation. Then again my hon, friend, the mover of this amendment, forgets that the Government is going to relieve the Corporation of Calcutta from contribution to the Police Fund. That will amount to about 24 lakhs of rupees, and this sum will enable the Corporation to raise by loan large sums of money which will certainly bring about a decided improvement in the area to be added to the town. I believe that as far as the Commissioners of the present Corporation are concerned, they will be obliged to devote this sum to the improvement of the Suburbs. Therefore there will be this additional fund at the disposal of the new Corporation should the amalgamation take place. My hon, friend seems to be under the impression that the sanitary condition of the Suburbs will not be improved by the amalgamation. I, on the other hand, hold a totally diffe cut opinion. I think that if there be one body mainly responsible for looking after the affairs of the Suburbs and the Town, it will be bound to look into the wants and grievances of every inch of ground entrusted to its care; whereas if you have different bodies they will be guided by their own interests, and not look to the benefit of their neighbours. In illustration of this, I would refer to the question of the water-supply pending between the Suburbs and Calcutta. Although a certain arrangement had been come to, pipes had been laid down, and the Commissioners of Calcutta had done everything for the Suburbs which they had undertaken to do; yet the completion of the scheme, as far as the Suburbs is concerned, is as distant as ever. Therefore it seems to me that the general principle of having one body to administer to the wants of this vast area will be decidedly beneficial. No doubt a very large area is going to be added, but my hon friend forgets that the area of the Bombay Municipality is 27 square miles or thereabouts, and of the Madras Municipality 21 square miles; why, then, the metropolis of India should be confined to an area of 7 square miles I cannot understand? Of course the question of finance is a very serious one, and ought to be considered in all its bearings. The only definite relief which the Government proposes to give in favour of the Corporation will go to a great extent in doing all that is necessary. But a still further sum will be needed. Therefore there is a proposal that the Commissioners should be authorised to raise a duty on petroleum, and it will be unfortunate if that proposal is eliminated from the Act. The object of this amalgamation is to take in the urban portions of the Suburbs. It is very desirable that the urban portions of the Suburbs, which to all intents and purposes are at present little towns. such as Entally, Bhowanipore and Kidderpore, should be brought within the town limits; instead of having all these small towns in different directions, it would certainly be better to have one large town. The death-rate of the Suburbs = appalling, and the town to some extent suffers from it. Of course I know that you cannot go on increasing the area of the town for ever, and there must be a Suburb beyond the line we propose to take. But when you

find that small towns are springing up in the Suburbs, areas which should properly be part and parcel of the metropolitan city, they ought to enjoy the same benefits which the town proper enjoys. On these grounds, I am sorry I cannot support the amendment.

The Hon. Dr. Mohendralal Stream said: In addition to the reasons advanced by the hon, mover of the amendment, which are entitled to great weight, I oppose the proposed amalgamation on sanitary grounds, the very grounds on which an amalgamation is sought. By amalgamating the Suburbs, or at least the very large portion of the Suburbs contemplated by the Bill, we shall be compelled to extend our underground system of drainage which includes sewerage into this vast area, and I must say that I contemplate with horror such extension and multiplication of our underground sewers. Already the underground sewers were having a most baneful influence on the health of Disease generally, and fevers in particular, were becoming more virulent than they ever were before, assuming year after year more of a typhoid or typhus character; and I am afraid that by extending this system to the Suburbs, we shall be gradually converting that vast area into a most prolific source of disease of the typhoid and typhus character. On simple sanitary grounds, therefore, I am obliged to oppose the amalgamation of the Suburbs with the present city. If you can possibly exempt the Suburbs from the extension of the underground system of sewerage, I may have no objection to the amalgamation.

The Hon. Sir Henry Harrison said:—I suppose the Council will expect me to say a few words on this amalgamation scheme which lies at the root of the entire Bill. I admit that the hon, mover of the amendment has adduced many strong and important reasons for his amendments, he has shown many difficulties in the way of amalgamation; but at the same time it seems to me that what he has not done is just what the Council must do, viz, that he has not weighed the reasons for and against amalgamation, and shown to us how the reasons for the amalgamation are either in themselves insufficient or can be met in any way. Fundamentally the reason for the amalgamation is the manifest inferiority of the health of the Suburbs compared with that of the town. It is perfectly true that he referred to that later on in his speech, but it will be desirable if I state it to the Council in • few words. The ordinary death-rate of the Suburbs as compared with that in the town is as 3 to 2. The death-rate in Calcutta itself is very high, but if we deduct from that rate the deaths from ordinary causes not zymotic, we then come to the death-rate in Calcutta from preventible diseases, which is about 14 per mille against a death-rate in the Suburbs of something like 30. That means more than 2 to 1. Something must be done to remedy this; but the moment we approach questions of improvement, such as the extension of the watersupply, the influence of the Salt Lakes, and other conservancy measures either in the Suburbs or in Calcutta, we are met by the difficulty of co-operation or effective control on the part of the Suburbs. The Hon Babu Kali Nath Mitter has not in any way exaggerated the breakdown of the Suburban Municipality in the matter of the extension of the water-supply. I do not think it possible that the same source of water-supply can be utilized by two bodies whose interests are different; and as regards the calt Water Lakes it 18 alleged by the Suburban Commissioners and by some other people who take an interest in sanitary matters, that the health of the Suburbs has been materially damaged by the works carried on there by the Calcutta Corporation in the neighbourhood of their eastern boundary. We naturally have mainly looked to our own interests in the operations which we have carried out. If it is true that the health of a portion of the Suburbs has been damaged by the operations near the Salt Lakes, then, obviously, it is only when they belong to us that their complaints will command our attention. It is extremely important that the Suburbs outside Calcutta in its restricted sense should have a proper system of water-supply and drainage under the control of an efficient Municipal body, and these improvements are far more likely to be effected by an Act of this kind than if they are left to a body like the Suburban Commissioners, whose jurisdiction extends from Chitpore

on the north to Garden Reach on the south, with a large intervening area which is included in the town. The hon, mover of the amendment has admitted that the Suburbs stand in need of improvement, but he protests against the sudden improvements which are to be forced upon them under this Act. I wish I could anticipate any probability of sudden improvements. I am afraid it will be a question between gradual improvements if the Act is passed and the entire absence of improvements if the Bill is thrown out. I was moreover disappointed that the hon member did not show how his gradual improvements are to take place. He speaks of contributions from the Government and from the Town Corporation, and this is precisely what the Bill proposes to do. The Government proposes to remit the police rate, which will amount to some 3 lakhs annually; and the municipality will no doubt contribute in many ways by the assistance and supervision of their officers, who will give part of their time to the work. It can hardly be said that the Suburbs have an efficient Health Officer or Engineer at present The Government will give assistance, but is it not natural that when the Government gives its assistance it should be desirous of giving it to more organised body than the present one? So that, so far as assistance is concerned, it is precisely what it is now proposed to do. The general conception underlying the Bill is that the Calcutta Corporation should be placed in funds to the extent of 3 laklis more than they now have at command yearly, and that this amount should be devoted to the improvement of the Suburbs Also that the Suburban taxation should be raised to the Calcutta limit, on the understanding that the extra taxation shall also go for their benefit: thus on the whole it may be said that 5 lakhs more will be available every year to expend on the Submban area than at present. Here is some tangible scheme of improvement put before the public. By uniting all these Suburbs under one authority, and having 5 lakhs available more than at present, the Suburbs no doubt can be improved. Can they under any other system, if so, what? As to the objection that the Act would involve the introduction of the underground drainage in the Suburbs, there is nothing in the law to provide for this. It was a matter which would be left to the consideration of the Corporation. If it was not wise, why should not the hon, member raise his potent voice in the Corporation of which he was so distinguished a Member to object to the scheme being extended? A most important question for the new Corporation would be whether the underground drainage should be extended to the entire Suburbs or only to a portion of it, and it was very likely that a portion of the Suburbs would be included within the drainage system; but that was a question to be considered under the Act and not an objection to the Act. The next objection was that the taxation would be doubled, and that this would drive the poor people outside the limits of the new town. That would be an objection which might be held if the limits were very narrow, but the limits we propose are so large that I am inclined to think that these poor fellows will have nowhere to go, consistently with their work in Calcutta, outside those limits. I hope that, so far from harassing these men, they will be less harassed by taxation than before, for special provisions are introduced to keep them and the tax-payers apart. As regards taxation, the objection cuts at the root of all improvement which costs money; without increased taxation where is it to come from? If it comes from the Government it means taxation in some other quarter, and it will be hard to show any reason why the people of other places should be taxed to improve the Suburbs. If the Suburbs are to be improved they must pay for the improvement, as it would be impossible to do it without raising taxation. I think that the argument that the Suburbs will suffer is the least well-founded which can be adduced, because the whole outline of the scheme is the benefit of the Suburbs at the expense of a free gift from the Government. Government is giving up more than 3 lakhs annually, and this sum is to be devoted to the improvement of the Suburbs. So that it really comes to this. that Government is making present to the Suburbs of some 3 lakhs, to which the condition is attached that it shall be put under a better administration than that which it now has. Therefore I am bound to submit that "under the circumstances amalgamation is a necessity, and that the objections against it are more than outweighed by the reasons in favour of it.

The Hon. Dr. Goo: oo Das Baneryff said in reply:—The hon. member in charge of the Bill told the Council that I did not very clearly distinguish between what I implied by a sudden and forced change such as the Bill involves, and my concession that the Suburbs urgently needed improvement. I admit that the wiban portions of the Suburbs require improvement, but the improvement which is required is only of a sanitary nature. Amalgamation with the town means that the town rates should be levied, as, for instance, the lighting rate, which is by no means essential to the sanitary improvement of the Suburbs. Here is a distinction. The people are poor, still they ought to pay for the sanitary improvements urgently required, but they need not pay the lighting rate as an urgent necessity; as regards lighting, they can afford to wait for a few years. There are other matters of detail in taxation which may be adduced in illustration, and if the amalgamation scheme did not involve an uniform rate of taxation all round, but allowed of varying rates of taxation according to the wants of particular localities, I would not object to the amalgamation scheme. Another point to which I have to refer is the very comprehensive nature of the scheme. It was remarked that the inclusion of the whole of the Suburbs within the town will make it impossible for the poor residents of the Suburbs to go away from the town area. That makes the hardship all the greater: you tax the poor and make it impossible for them to find a place where they can go to escape the taxation. If it were really so, the hardship would be greater, but in truth the how member in charge of the Bill is not so hard as that, as he leaves ample space for the poor to go to and to create crowded and filthy bustees in. I refer to what is known as the island area, the mea between the Circular Canal and the new canal, which is left out of the scheme. That is by no means a very convenient locality for purposes of habitation, but the poor will go to it and create crowded and filthy busiees there. It was remarked that whilst I pointed out objections to the scheme, I did not show how the necessary improvement would be effected, and it was very forcibly argued that the water-supply and other matters requiring cooperation between the municipal administrations of the two areas are measures which cannot be conveniently carried out unless the whole area is placed under one administration. The difficulty, however, is not insurmountable. First in reference to the water-supply; it is true that the measure has not been carried out as quickly as it ought to have been. It took a long time and has not been completed yet, but the reason was because there was the amalgamation scheme before the Council. If the Suburban Municipality is allowed to continue, and the amalgamation scheme is given up, the water supply will now be carried out without any further discussion or delay. As for differences arising in future, they might be provided for by a short Act providing for the appointment of statutory arbitrators who would deside on matters of difference between the Calcutta and Suburban Municipalities. If such a measure were passed, in future matters which required co-operation between the two municipalities would be arranged without any great difficulty The Motion being put, the Council divided :-

Ayes 2

The Hon, Dr Gooroo Das Banerjee The Hon the Advocate-General.

Nocs 10. The Hon. C H. Moore. The Hon Babu Kali Nath Mitter. The Hon, G Irving. The Hon Moulvie Abdul Jubber. The Hon. Sir Alfred Croft The Hon Sir Henry Harrison. The Hon T T. Allen The Hon. C. P L Macaulay, The Hon, H J. Reynolds His Honor the President.

So the motion was negatived

The Hon. Dr. Goorgo Das Banerjee moved that the following definition be substituted for the definition of "Calcutta" in section 3 of the Bill; and that in lines 3 and 6 respectively of section 15 for the word "twenty-five" the word "twenty-one" be substituted :-

" 'Calcutta' includes the area enclosed by the following limits, namelythe sou hern and western bank of the Circular Canal from the river Heaghly to the

northern side of the Eastern Bengal State Railway bridge, thence along the northern and western edge of the said Railway line, and of the Railway line joining it with the South-Eastern State Railway line, thence along the western edge of the South-Eastern Railway line to the point where it meets the Tilljullah road, thence along the southern edge of the said road to its junction with the Bullygunge Circular Road, thence along the southern and western edge of the Ballegunge Circular Road to the point where it meets the Puddopoker road, thence along the southern and western edge of the Puddopoker road and along the southern edge of the Pakoortollah and Chaoolputty road to the paint where the last-named road meets Tolly's Nullah, theuce along the eastern and northern banks of Tolly's Nullah to the river Houghly, and thence along the left bank or the Hooghly to its junction with the Circular Canal, or by such other hunts as the Local Government may, from time to time, fix according to the provisions of this Act; but not-

(a) Fort William,

(b) The E-plauade, (c) That part of Hastings north of the south edge of Clyde Row which has hitherto been excluded from the Municipality of the Town of Calcutta,"

The meaning of this amendment in other words is this, that with the limited area indicated above, the number of wards should be 21 instead of 25. The boundaries of the new town ought to be defined in one of the definition clauses of the Bill, as in the above amendment. Before proceeding to explain my objection against the boundary given in the Bill, and my reasons for proposing the boundaries which I suggest, I ought to point out to the Council what the proposed boundary includes, and what the boundary indicated in my amendment is. [The hon member here exemplified his amendment by reference to a map.] At a glance the Council will see that the boundary proposed in the Bill is by no means a convenient practical boundary. It has a rugged edge all along the Suburbs, whereas the boundary I propose adopts the Circular Canal in the north and its counterpart, Tolly's Nullah, in the south, and the intermediate boundary is much less rugged and is almost straight. If the amalgumation scheme is to be carried out at all, it is only on the ground of the sangtary improvement of the Suburbs, and because the more efficient Municipal administration of the Suburbs requires it. One can understand that there is reason in insisting on incorporating the urban portions of the Saburbs, those portions which are more thickly populated than the rest and which require more efficient arrangements for conservancy, and more efficient Municipal administration in other matters, than the remaining portions. Therefore, as far as the reason of the thing goes, it only requires the incorporation of the really urban portions of the Suburbs. Does the proposed boundary in the Bill include that only, or does it not include a great deal more? I do not wish to be hypercritical, but taking a broad view, I say that it includes the greater portion of the Suburbs which we must agree to accept, but there are other large portions which are not at all of an urban character. In the south and south-west the proposed boundary includes large areas scarcely of an urban character; areas in which there is hardly a pucca building, except a few garden-houses here and there, very sparsely distributed, and portions which do not by any means require any complicated system of Municipal conservancy. The proposed boundary then is not necessary for the purpose. But the matter does not stop here. It is not only unnecessary, but it is likely to prove injurious to the efficiency of the Municipal administration of the Town. When you take in the really urban tracts, you relieve the Suburbs of some burdens which the Suburban Municipality is not well able to discharge, and though you throw additional burdens on the town, you give it a good return in the shape of rates and taxes. But by taking in the outlying tracts you add to the burdens of the town, without giving any adequate compensation from such portions in the shape of additional taxation. Further, the proposed scheme of amalgamation will give rise to hardship, injustice and discontent, for whilst you tax the people uniformly all round, you cannot conveniently do for the larger area what you may do for the smaller. If you take only the limited area which I suggest, there will not be that difficulty in giving the additional area. the municipal advantages which the present town enjoys that there will be if

you take is the whole of the area proposed by the Bill
I shall follow the suggestion thrown out by the hon member in charge of the Bill, and weigh the relative conveniences and inconveniences of the two proposals in order to strike a balance. I know it may be said on the

other side that my scheme leaves out Watgunge and portion of Kidderpore in the south, which are of an urban character and are thickly populated; that it also leaves out the docks which require more careful and more efficient municipal administration. It is true that my scheme leaves out these two parts, and errs by taking in too little; but the other scheme errs by taking in too much, and the question is on which side is the balance of convenionce? I venture to think that there is a natural presumption in favour of the existing order of things. It has not been shown that Watgunge is in the same had condition as Entally, and the portion of the suburbs between the Circular Road and the Circular Canal, and the burden will be on those who say that it is necessary to take in those additional areas also by reason of their dense population. Then, again, there is an obvious objection that this measure takes in areas which evidently ought not to be taken in. I have also the advantage of having a practically more convenient boundary as compared with the boundary proposed by the Bill. On the whole, therefore, the balance of convenience is on my side. An then it should be borne in mind, as my amendment implies, that power is left in the hands of the Local Government to alter the boundaries from time to time. If the docks after their completion should happen to require more efficient municipal administration than the Suburbs can provide, there will be no difficulty in the Local Government ordering the limits of the town to be altered so as to include the docks, and at the same time not to include the large non-urban area now proposed to be taken. There is some difference between fixing the boundaries by Statute and fixing them by order of the Executive Government. The Executive Government may, through the agency of any municipality or other convenient agency, have roads laid out which may serve as a boundary. For the present that has not been done, and I think I am right in saying that | good portion of the unnecessary area that has to be taken up is being taken up because in no other way can a convenient boun tary be obtained which would be consistent with the inclusion of Kidderpore and the docks. The Executive Government will be under no similar difficulty. It may have a road laid out, so that the Kidderpore Docks may be brought within the limits of the town without including any non-urban tracts. I submit that all that can be desired under the present state of things may be done if my amendment is accepted.

The Hon, See Hence Hereison said.—I understand that the question we are now discussing is not what the limits of Calcutta should be, because it is possible that the Select Committee or some member of the Council may yet see their way to move a modification in the boundaries now shown in the Bill which it may be right to adopt with advantage. What is now proposed is a most radical modification which would entail the reduction of the wards from 25 to 21. The effect of rejecting this amendment will be to reject the hon, member's boundary, and leave the whole question of the boundary to be settled hereafter. It is very inconvenient that the Council has not before it a proper map which every member may refer to, but the notice of amendments has only been circulated within the last 24 hours. I think, therefore, I am right in assuming that if the amendment be rejected, the question of boundaries will still remain open to be finally settled when we proceed to Part I of the Bill.

[HIS HONOUR THE PRESIDENT remarked that the rejection of the amendment before the Council would certainly not prevent the Select Committee from altering the definition of "Calcutta," or any member of the Council from proposing mew amendment when the question comes before the Council.]

The Hon. Sir Henry Harrison continued:—On that understanding I must certainly ask the Council not to accept the amendment now before it. It would mutilate the amalgamation scheme. By the line which the hon member has drawn, Calcutta will not extend to the south of Tolly's Nullah; consequently Alipore, Kidderpore, Watgunge, and the whole of Garden Reach will be omitted. By the hon, member's scheme we would go to the head of the docks and there stop Such a policy would be suicidal. What is most necessary is that the Municipality should have the opportunity of watching over and regulating the formation of those blocks of houses

which must inevitably spring up around the docks. As far as the Port Commissioners are concerned, there can be no doubt that everything will be done with proper attention to building regulations and their surroundings. but outside that limit there is a certainty that houses will spring up in a miscellaneous way, and it will be found impossible hereafter to arrange and group them in proper order of streets. The building regulations we are now proposing will prevent in the future the chaotic manner in which houses are now springing up in the town, and these regulations should in the localities surrounding the docks be enforced ab initio. It would, therefore, he a matter of the greatest inconvenience if the docks are not now brought within the limits of the town. The difficulty of fixing the best boundary lies in this, that it is impossible to fix a good line, consistently with the inclusion of the docks, which does not take in some agricultural tracts. If any better line can be found, I shall be very glad to accept it; but allowing for the connection of the docks with Sealdah, the Select Committee as at present advised cannot find any better The opening of the docks will certainly bring a considerable population to their neighbourhood. When I was in Bombay three years ago, I particularly enquired how the difficulty of dealing with rural lands was got over, and I was informed that there was no difficulty. The lands being assessed at a low rate paid but little, and the advantages in the way of roads and lighting were found sufficient by way of return for the taxation levied on it. In conclusion, I would say that to accept this amendment, by which the docks, with Kidder. pore and Watgunge, would be outside the town, would be altogether erroneous.

The Hon. Dr. Mohendralal Sincar said:—I cannot understand why the Kidderpore Docks should be brought within the Municipality of Calcutta Suppose that after a time another system of docks may be necessary and actually established outside the new limits, should we come to the Legislature and ask that they be declared to be within the limits of the town? Why should not the municipal administration of these docks be confided to some other municipality than that of Calcutta? Why so heavily burden the Calcutta Corporation with it? I support the amendment so far as the definition of the limits of Calcutta goes, but I oppose the reduction of the number of wards.

The Motion being put, the Council divided :-

#### Aues 2

The Hon Dr Gooroo Das Bauerjee The Hon the Advocate-General.

### Noes 11

The Hon. C. H. Moore
The Hon. Dr. Mohondralal Scenar
The Hon. Balot Koh Nath Mitter.
The Hon. C. Living
The Hon. Moulvie Abdul Jubbar.
The Hon. Sir Alfred Croft
The Hon. Sir Henry Harrison.
The Hon. T. T. Allen
The Hon. C. P. L. Michilay.
The Hon. H. J. Reynolds
His Honor the President

So the motion was negatived.

The Hon. Babu Kali Nath Mitter said:—My amendments Nos 6, 11, and 16 are so intimately connected with each other that I shall move them together. They are as follows:—

(6). That in lines 3 and 10 respectively of section 4, for the word "seventy-five" the word 'eighty" be substituted.

(11). That in line 1 of section 7, for the word "seventy-five" the word "eighty" be substituted; and that for the word "fifteen" the word "twenty" be substituted

(16). That in line 1 of section 8 the words "of" and "lifty" respectively be omitted, and that after the word "romaining" the word "sixty" be inserted.

For the purposes of the present discussion, I shall assume that the boundaries proposed in the Bill are the boundaries, or something substantially the same. That being so, the present town will have an area of 12 square miles added to it. The present Corporation consists of 72 mm mbers, of whom

24 are nominated and 48 are elected. The Bill under which the present constitution was conferred was introduced in 1875, and took fully two years to pass into law. Then the question of numbers was very fully discussed, and as a compromise 72 Commissioners were ultimately agreed to. There was a proposal to fix the number at 60, but that proposal was negatived. At prosent the town is divided into 18 wards, in some of which 3 Commissioners are elected and in others only 2. If the number of Commissioners stands at 75 as proposed in the Bill, the mevitable result of dividing it into 25 wards, unless my qualifying amendment is adopted, will be that each ward will return 2 members. On this subject we have hid several representations submitted to the Council. There are representations in favour of my amendment, and there are also representations ugainst it. The Butish Indian Association urged that the number should be fixed at 80. They say: "Bearing in mind that the Suburbs will contribute 7 new wards to the town and that two representatives for each of them would give an addition of 14 to the present number of 72, the total should be 56, but as slight reductions in some of the smaller wards will not be objectionable, the Committee would fix the total at 80." That is the figure I propose should be fixed. The Indian Association also fixes the number at 80. Again, the Corporation of Calcutta in discussing this Bill said. " The Commissioners have recommended 90 as the number." As far as I have heard the hon, member in charge of the Bill on the former occasions on which he addressed the Cancil, I understand he will have no objection to 80 Commissioners, because they would act as an appellate body before whom all questions of importance will be discussed. So that on the question of convenience or inconvenience, I do not think there will be any great inconvenience if the number is increased from 75 to 80. It would only be a difference of 5, but it will have great importance attached to it. Then, as I have said, there are representations against the number of 80. The Chamber of Commerce say: "But the Committee believe that experience has shown the present to be an unwicldy number of representatives, and they would support the suggestion that the number of Commissioners should be reduced rapher than increased." There was also a representation from the Calcutta Trades' Association, and in the 7th and 8th paragraphs of their letter they discuss this question. They say "In thus advocating the due recognition of the claims of the European community, the Committee of the Association are actuated by a desire to seeme for the future municipality of Calcutta the services of a number of men emmently qualified to take part in the municipal government of the city. It has hitherto been found impossible, for reasons which are only too well known, to induce a sufficient number of such men to come forward." What those obvious reasons are perhaps we shall be favoured by the hon, member on my left (Mi. Irving), but the reasons are not obvious to me. On the contrary, I shall be able to show that there has been little or no interest taken. by this body in returning members to the Corporation. They go on to say: "But it now behaves the Government, in view of the strong conviction which exists in the minds of the European community that their interests should be effectually safeguarded, to enact a municipal law that shall make it possible to introduce into the personnel of the new Corporation a fair proportion of European Commissioners. The numerical strength of the Corporation, as laid down by the Bill, is the next point to which the Committee desire to invite the attention of His Honour the Lieutenant-Governor. They are still of opinion that a body of seventy-five Commissioners will be unnecessarily large, and would therefore suggest that the number be limited to sixty." I would also point to the letter of the Secretary to the European and Anglo-Indian Defence Association They complain of there being no adequate European representation, and they give a schedule showing how they would like to see the Commissioners elected. They say that wards 17 and 18, with a population of 11,000, should be amalgamated and should return 2 Commissioners, and that wards 1 and 3 with a population of 51,000 should have 2 members; that wards 15 and 16, with a population of 16,000 should have two members, and that wards 2 and 5 with a population of 62,000 should have only one member. If this is adequate representation, the number of Commissioners can no doubt be reduced, but to my mind it is anything but adequate representation. My proposal is that, with the number of 80, the nominated Commissioners be fixed at 20, and that 60 be distributed

amongst the wards. Wards Nos. 1 and 3; 8, 7 and 9, 12, 13, 15, 16 and 17 should return three Commissioners each, and the remaining wards two Commissioners each. There would be this advantage that wards 12, 13, 15, 16 and 17 having three Commissioners each would each be able to return one moniber of other nationalities, and you would thus have five more members of other nationalities elected, and as the Government instead of nominating 15 Commissioners would nominate 20, there might be five more Commissioners who would be Europeans. and therefore these ten Commissioners would not be either Hindus or Mahomedans. That it would be so there could be no doubt. At the last election in ward No. 12 the last member elected was Mr Hallett, and if instead of two Commissioners in this ward we had 3, one European Commissioner would certainly come in. The last member elected in ward No. 13 was Dr. Chambers, and again in ward No. 15 Mr. Chick had come in; in ward No. 16 Mr. Doucett, and in ward No. 17 Mr. Goro Brown. So that in these five wards you would be able to elect one of the other nationalities to make up the number. The objection which might possibly be taken is that, in some of the wards, such as 1, 3, 5, 7 and 9, Hindus would come in. But in the other wards 12, 13, 15, 16 and 17 other nationalities would come in So that my proposal does not in the least affect the interests of the other nationalities. The number of nominated Commissioners should be fixed at 20, that is to say, one-fourth of the whole number. I know that the hon member in charge of the Bill is very much opposed to this reluction. He thinks that the interests of mmorities would be very much affected if there was a reduction of five in the number of nominated Commissioners. On the contrary, I shall show that it will do nothing of the sort. If the Council would look at the returns of the four elections which have taken place, the fact will be as clear as possible. When the elective system was first introduced. the number of Hindu voters was 4,556, the number of Mahomedan voters 289, and of other nationalities 199 That showed that the other nationalities took no interest in the elections. The Hindus in the first election returned 41 members, the Mahomedans returned 3 members, and the other nationalities 4. In the next election in 1879 the Hindu voters numbered 6,025, and yet the number of Hindu Commissioners returned was reduced to 39, the Mahomedan voters increased to 604, and kept the same number of Commissioners, the other nationalities advanced to 377, and returned 6 members. Did that show that the other nationalities took any interest in the elections of 1879? Then in 1882 the Hindu voters numbered 9,194, but returned only 32 members; the Mahomedan voters were 850 and returned 5 members; other nationalities had 1,363 voters, and returned 11 members. In 1805 the Hindu voters were 7,827, and returned 27 members; the Mahomedans were 1,064, and elected eight Commissioners, and the other nationalities mustered 1,105, and returned 13 Commissioners. Does not this show conciusively that in proportion as particular communities took interest in the elections they were able to return a larger number of Commissioners? I do not think that 1,105 voters is anything like the largest number which these other nationalities can muster. I believe that number could be multiplied manyfold. It seems to me that the system of elections should not be condemned by those who do not try to work it out properly. Until they really take an interest in the elections, they cannot expect to be elected. At the last elections, to the credit of the Health Society it should be said that they were able to persuade 1,100 persons to register themselves as voters, and the inevitable result was that the number of Commissioners of other nationalities rose from 11 to 13 In the Bill which was introduced in 1876, the Legislature intended to fix the number and proportion of Commissioners in the following way. They intended the number of Hindu Commissioners to be 27, of Mahomedan Commissioners 9, and of other nationalities 18, and 18 were to be appointed by the Government, of whom Hindus and Mahomedans should be 9, and 9 should be appointed from other nationalities. That was how the Select Committee of the Council settled the Bill in the first instance. It was pointed out then that that would introduce a very individuous distinction in the law and was not necessary. Sir Stuart Hogg was violently opposed to the introduction of the elective system, and it is an nufortmate coincidence that Sir Henry Harrison is also violently opposed to the expansion of that system. I hope the majority of the Council will oppose Sie Henry Harrison on this occasion, as they opposed Sir Stuart Hogg then, and have no doubt that a few years experience will show that Sir Henry Harrison

Agitation has been raised from time to time against the administration of the town by the Corporation. It was said that the wants of the town were not attended to, to the extent that they should be It was further stated that the Hindu Commissioners who took a paramount interest in the affairs of the municipality had proved themselves obstructive, and that but for them many other things might have been done. This was a matter on which I feel some delicacy in speaking; but if the reports of the Army Sanitary Commissioners for different years are looked at, I should not have the least hesitation in saying that persons capable of understanding these matters will give their testimony in favour of the Corporation, and not against it. If an Englishman who had been through the northern portion of the town 12 years ago saw its condition now, he would be amazed at the improvement which has since been made. There are in fact parts of it which it would be impossible for him to recognise now. I myself had occasion lately to see a friend living at place near Sukea's Street. When I first went to the place a few years ago, there were large areas there without any buildings, except here and there some nuts. But to my surprise when I, the other day, entered the lane, I found buildings on both sides of it, and experienced the greatest difficulty in recognizing my friend's dwelling. So that it is not too much to say that the affairs of the Corporation have on the whole been satisfactorily managed by the present Corporation. Testimony has been borne to this fact by the British Indian Association, and I submit that the test mony of the persons representing that Association goes a great way; they are persons who live in the northern portion of the town, and are therefore able to speak from their own experience If the verdict on the administration of the past ten years shows that the affairs of the Corporation have been successfully managed, I say that it is only right and proper that the further extension of the elective system should be conceded, so that it might be looked upon as a mark of confidence in the Commissioners who have administered the affairs of the town. If Your Honour's predecessor, Sir Richard Temple, notwithstarshing the strenuous opposition then raised by the hon, mover of the Bill, was prepared to reduce the proportion of nominated to elected Commissioners to one-fourth, it is not too much to expect Your H mour now to do so. Sir Richard Temple then said :-

"There is one point I wish to mention and to leave the decision entirely in the hands of the Council. It has been impressed upon me by the second of the two deputations which came to see me that it would give great satisfaction if, in the elective sections of the Bill, the proportion of Municipal Commissioners to be appointed by the Government should be reduced from one-third to one-fourth. I have just received a letter from the Chairman of the Indian League, which presses upon me the same view as that which was urged by the very large deputation to which I have referred. That deputation comprised many gentlemen of rank, wealth and station, besides the members of the Indian League, and they certainly urged the point very much upon my attention. I understand that they attach very great importance to it. I myself do not see it in the same light. It does not very much matter whether the proportion of nominated Commissioners is one-third or one-fourth, in far as the Government is concerned; it is not a point on which the Government is particularly interested. Certainly the Government has no desire to obtain the power of appointing members who would be, s it were, Government nominees; that is not the object with which the section has been introduced. The object of the Council in introducing that section is this, that in the event of the elections not sufficiently representing certain sections of the community, particularly the Mahomedan section of the community and the European section, the Government should have the power of redressing the balance. It was for the purpose of this redressing of the balance that the proportion of one-third was taken. I am myself so far sangume that the elections will on the whole nearly represent the different sections of the community, that I am quite willing to reduce the proportion from one-third to one-fourth, if that shall be the pleasure of the Council"

On that occasion the late Hon. Kristodas Pal and the hon, member opposite (Mr. Reynolds) voted for the proportion of one-fourth, but the majority of the Council was against it. I submit that it is wise now to make the extension which was then denied. In bearing testimony to what has been done, Sir Remy Harrison on one occasion spoke of the good work done by the elected Commissioners. The point, however, in which he considered they had failed was this, that im large questions of improvement they had not some up to the point he had expected. No doubt my hon, friend, from his position is the Corporation, was able to give his views in this matter with great confidence; but I have also been in the Corporation since the elective system was introduced, and my experience on this point is at variance with that of my hon, collegated. I think all large questions of importance have been passed in march with the

co-operation of the elected Commissioners as with the co-operation of the other members. I can only recall to my mind three instances where, as far as I am concerned, I believe the majority went wrong. But with these exceptions, I do not remember a single instance in which I had reason to regret what had been done. It has been my privilege to be very often in opposition to the Chairman of the Corporation, and it has been my satisfaction in many cases to find my opposition successful; but it was only with reference to three matters that I have regretted the vote of the majority. Of course it is quite possible to conceive there were occasions in which there might have been difference of opinion, but there are many questions in which there should be no difference of opinion, and on such occasions difference of opinion is to be regretted. It is said that a great deal of time is wasted. There is no use in mineing matters, and if you will pause to consider what that means, you will come to the conclusion that it means absolutely nothing. The Town Council meets almost every Saturday; one-and-a-half or at most three hours are taken up; meetings of the general body of Commissioners are on an average twice a month, and they occupy between two and four hours each time. If my hon, friend (Mr. Irving), who represents the Calcutta Trades' Association, will say that their constituents are not prepared to make these sacrifices, my answer then is that they ought not to have anything to do with the Corporation. I do object that members of the Corporation should, just at the time of voting, attend meetings only when personal questions or questions of great moment are to be considered, without giving any thought to the consideration of the subject, and out-vote those who have taken great interest in the matter. That is a danger to which the Corporation should not remain open. I believe I speak the sentiments of my Hindu and Mahomedan colleagues in the Corporation when I say that they would be well pleased to have European Commissioners who take an interest in the affairs of the municipality. It is a fact well known that European gentlemen who take interest in the affairs of the Corporation are listened to with the greatest respect. Therefore it is idle to say that the Hindu or Mahomedan Commissioners would object to have European gentlemen as their colleagues. On the contrary, they are welcomed if only they take interest in the work. On one occasion Sir Henry Harrison, speaking of the elected Commissioners, was pleased to say that they generally acted in a spirit of parochialism. I very much regret that he has said so. I think his largest supporters have been amongst the elected Commissioners, and most of the important measures have been carried through with their aid. And I believe that the elected Commissioners are not fairly open to that charge. It is strange, however, that while he has said so much of the elected Commissioners, he had nothing to say as to what the nominated Commissioners have done. It is not simply that it is necessary that the Government should retain certain powers in its hands, but the object in rotaining such powers should be to enable it to secure an adequate representation. It is not too much to ask you sufficiently to trust the people of Calcutta to elect those who will be able to be of service to them. And remembering that by the present Bill it will be for the Chairman to prepare a list of voters, the difficulty at present experienced of European gentlemen not registering themselves for the purpose of voters will disappear, and consequently they will be able to return a larger number of the Commissioners than as heretofore.

I have already trespassed very long on the time of Your Honour and that of my hon. colleagues; but as this matter is one of very great importance,

I hope I shall be excused.

The further consideration of these amendments was postponed.

The Council was adjourned to Saturday, the 4th February, 1888, at 2-30 P.M.

GORDON LEITH,

Offg. Assi. Secy. to the Gevi of Bengal,

Legislative Department.

CALCUTTA;
The 7th February, 1888.

### COLONIAL AND INDIAN EXHIBITION OF LONDON, 1886.

### REVENUE DEPARTMENT-MISCELLANEOUS (F)

Calcutta, the 3rd February 1888.

#### RESOLUTION.

### READ again-

The Resolution (Mis. F) of this Government, dated the 2nd May 1885. The Resolution of this Government, dated the 31st July 1885.

#### READ.

The Resolution of this Government, dated the 15th July 1886.

Letter from the Trustees of the Indian Museum, No. 286, dated the 19th December 1887.

Letter from the Government of India, Revenue and Agricultural Department,

No. 915 M & E-63-12, dated the 12th December 1887, with enclosures.

By the Resolution of the 2nd May 1885, cited in the preamble, an

Mr H A Cockerell, CSI,
President.
Hon'ble Colonel S, T Travor
Mr M Finucane
Dr George Kilg
Mr H il Risky
Major (now Lt Colonel) Waterhouse
Mr H R Locke
Surgion Vapor D D Cummigham
Hon ble A P, Mat Donnell
Mr A Pedier
Mr M H Jackson, Member and
Secretary.

Executive Committee, consisting of the gentlemen named in the margin, was appointed, and funds were placed at its disposal for the purpose of making attangements for the Bengal Court in the Colonial and Indian Exhibition of London, 1886. In view of the character and magnitude of the duties connected with these arrangements, it was considered that, although falling within the recognized functions of the Director of the recently established Agricultural Department, they might

with advantage be entrusted to a Committee rather than to a single officer, and the Committee as at first constituted was, in the following July, enlarged by the addition of certain members, with the object of enlisting the co-operaation of the mercantile community, and thus ensuring an adequate representation of important commodities and manufactures. The Committee's report, reviewed in the Resolution of the 15th July 1886, had been submitted in the preceding April after the collection of exhibits and their transmission to London, and on the separation of the members, its place was taken by the Secretary of the Bengal Economic and Art Museum. On the 1st April 1887, however, that Museum was made over to the custody and control of the Trustees of the Indian Museum, and the post of its Secretary having been abolished, the work in connection with the Indo-Colonial Exhibition was transferred to the newly appointed Assistant Curator, and has since remained in the hands of that official under the control of the Trustees. In their letter of the 9th December 1887, referred to above, the Trustees represented that the work involved a considerable amount of correspondence, and they suggested that, now that the exhibits returned from England had been disposed of, they should be relieved by Government of all that remained to be done.

2. The accounts of the London Exhibition, so far as they relate to Bengal, have been received from the Government of India, and a sum of Rs. 15,121-5-11, representing the price of the exhibits sold, has been placed at the disposal of this Government for distribution to the owners of such exhibits, including the Local Government. The duties which now remain to be performed are as follow:—

(1) the final adjustment of the accounts of the expenditure incurred by the Bengal Executive Committee in connection with the London Exhibition;

the disposal of certain returned exhibits;

(3) the distribution of the money recovered by the sale of exhibits; and

(4) the settlement of any claims that may be made for compensation for lost or damaged exhibits.

In these details are involved which cannot be satisfactorily dealt with by Government, and the Lieutenant-Governor is of opinion that they may best

be entrusted to a Committee, which, he is accordingly pleased to direct. shall consist of the following gentlemen:-

Mr. M. Finucano, President.

A. Pedler.

M. H. Jackson.

T. N Mukharji, Secretary.

The records and proceedings of the Bengal Executive Committee, which are now in the office of the Economic Section of the Indian Museum, will be placed at the disposal of the Committee thus appointed; and to it will be transferred all correspondence on the subject pending before Government, together with the sum of Rs. 15,121-5-11 received from the Government of India for distribution. It is requested that immediate steps will be taken in the matter.

ORDER—Ordered that this Resolution be published in the Calcutta Gazette, and that copies of it be sent to all members of the Committee appointed, to all Commissioners of Divisions, and to the Trustees of the Indian Museum.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

Secretary to the Government of Bengul.

### LIBERALITY OF CHOWDER! Mohadeo PERSHAD, ZEMINDAR OF NANPUR IN MOZUFFERPORE.

No. 321, dated Calcutta, the 2nd February 1888.

From-Colman Macaulay, Esq., Secretary to the Government of Bengal, Municipal Department,

To-The Commissioner of the Patna Division.

I AM directed to acknowledge the receipt of your letter No. 9G, dated the 9th instant, in which you report that Chowdhri Mohadeo Pershad, zemindar of Nanpur, in the district of Mozusterpore, has offered to defray the cost of replacing the present bridge over the Lakhundai river at Sitamarhee by a new masonry structure. The expenditure is estimated at Rs. 27,000, of which a sum of Rs. 10,000 has already been advanced by the donor. The District Board of Mozufferpore have ordered the collection of materials and the preparation of the necessary plans and estimates.

2. In reply, I am directed to state that the Lieutenant-Governor is pleased to accept the offer on behalf of the District Board of Mozufferpore. I am to request that you will be good enough to convey to Chowdhri Mohadeo Pershad an expression of the Lieutenant-Governor's satisfaction at this proof of his public spirit and liberality. This letter will be published in the Calculta Gazette.

### Rainfall, Weather, and State and Prospects of the Orops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week inding the 4th February 1888

No		District and de return	ate o	if.	nt' Sta	onfull sudder strum sches	Character of the weather and state and prespects of the stops
BEN	GA].						
	1	Western Dis	trict	a .			
Dryg.		( nlna Rant gunge	b 6	,	,88,	$\frac{175}{015}$	We other seasonable - I respects of crops fair and prices keep moderate  We other seasonable - Rubbs crops come g on well - Pressing of sugarcana
BURDWAN DIVE.	1	Beeri hoom Kampur Hat Vidnepur		4,	88 88	N4   N4   N4   N4   N4   N4	Weather—seasonable Rabha ding well Cutting of sugarcane has begin in places Weather—becoming warm suddenly. A good raddy crop has been generally battested. Boro cultivates going in Weather—the and cold. Trip prospects contains good, but some pulses.
`	5	Heoghly — Lampur — J. hen ded Howish	ji D	4,	88	F80 128 E4	shightly a image d by late rain Sugarana pressing proceeding  Wighter -char and c ld Harvaring of anna almost over Boro paddy is being transplanted in the Osloobernsh sub-division.
		Central Dis	trici	te			
F .	_	Nuddes k odden thomanigs	.b ,,	7, 4,	'88 '85	Nil 0 10 0 -8	Weither—seasonable cool and bright. Harvesting of asian erop practically ever fulling if sugarcance atomics. All other standing crops promise well. Weather—very cold for the confoundays. Received has bettered the crops. More ison would be beneficial. On the whole the prospects are very fair.
HOT DE	8	hannahat Khoolua	21	4,	'88	3 08 Nil	Weither—cold during early part of week latendy warm. Harresting of amus and transplanting of boro rice abroast completed. Prospects of winter transplanting of
Passidance Divi	9	Jessore Jheralah Majo rah Nata l Bang ag	13	4,	188	Nd 0 35 0 72 1 1	Weath recrimined cold until a courle of days ago. Harvesting of amon paddy nearly over. Recent rum has benefited the standing winter crop
,	10	Montalised at ad	**	4,	184	Nil 0 2	Weither-seasonable somewhat werm Prospects of rabbi crops good Har- testing of amor completed
	11	D. Maryon	,b	4,	,84 ,84	Mil	Writher - rather cold but sunny Harvesing of winter rice almost finished.  Mus and in car and in many plus a almost ripe. Suggreams being pressed.  Thereo doing with, Rice at long at from 20 to 24 see a per rupe.  Weather seasonable Prospects of storag copy into but rain wanted. Pros
MAT		Rungpur	31	4,	784	Nil	weath r-seasonable (old weather crops doing well Prices ring some.
RAJOHANY	14	Kongram Bogra Sherpur	,,	4	'68	0 16 Nd 0 06 Nd	Weather—seasonable Harvasting of amun almost over resume of sugar- case going on Gathering of maximal nearly over Pressing of sugar- weather crops good. Price of rice at its many Weather—inc and cool. Prospects of crops good.
174	15	Pubna Sarijgunge	"	4,		0.27	Heavy full of snow up to lower ranges (10 000 to 12,000 feet), musty and raw,
	17	Julingores		1, 4,	'88 '88	0 21	He ther se moustle of crops good We ther se moustle Hurresting of water rice is still going on in parts of the district. Mustard is bring harvested. Tobacco, wheat and other cold-
		Lastern Di	stre	cta.			weather crops doing well
TIBION.	18	Daces J Murshigung Summurung		4,	'88	Nil 0.61 0.51	Weather first part of week cloudy, latter part fair and cold Pulses and mountaid are being gathered. Recent room has done much good to standing crops. Planting of boro paddy nearly completed. Ploughing for assembly and jure going on
DACOA DIVISION.	19 20	Madanjur Backergunje	20	4 8,	'8- '88	Nil 1 00 - 72	Weather -seasonable Prespect of crops good
	( 21	Mym neingh Actiokonn	gc	ņ	54	0 16 0 19 0 23	Winther-very cold State and prospects of crops status good
CRITAGONG DIVE.	22 23 24	Aonkholly Junny	cb ,,	e,	166	1 +6 1·45	Weather range in the beginning of the with, is we very cold and bright there has done immen-e good to the wint r crops, and his helped in the proposition of the fields for one and june crops. In the north the harvesture
CRITE	=	Cluttagong Hill Tracts	JI	, 8,	, '88	1 41	of the rubbi crops to progressing favourably
		Hall Topporch		, 1,	, '88	1 40	and it 14 Million and marked accords to the
		•		_	-	L	The state of the s

3	No.	District and retur		ÇÎ.	4.	Rainfill at Maildor Station in im hes	Character of the westher and state and prospects of the crops
B	HAR						
	26	Patna Dinapur Barh	Feb	4,	'86	Nil 0 44 0 20	Westher-cool, cloudy at the latter part of the work Prospects of appropriate property of appropriate property of a stationary with the control of a stationary control of the control of t
	27	Gya.	91	4,	28.5	Mil	Weather -seasonthic Threshing of piddy meanly tenshed Rubbs p greening tolerably well. Optum being extract d in Deciding an
	28	Shahabad Juxur	313	4,	*88	Nit 0 03	Weather—bug ht and there, litterly occasionally cloudy. State of rubbe in artisfactory, recent can have improved prospects considered by P country on well, and prospects invorrable, some impury to me higher apprehended owing to cloudy weather, which, however, his fortunat
	29	Ոահիսոցո	13	4,	*88	Nıl	p seed away without any harm We other—very cold. Rubbs and poppy crops continue favourable. I ands being prepared for indigo. Tobacco is doing well. Price of the avery
•	30	Mozufferpur	7.5	1,	188	$N_{1}l$	21 sees per supe Weather-mostly cold and elear, but occasionally overcut and with Pr
	31	Sarui Gopalgunge	*1	1,	'88	N <sub>1</sub> 1 0 12	Tests of crops fair. Popry in bud and flower Weather—fan occasionally cloudy Prospects of rubbe and poppy continged. Poppy is reported to have been benefited by the late rainfollowed by westerly wind
\	32	Chusaparan	**	4,	*88	Nil	Weather - cool and div West wind prevailing. Prospects of ribbs of preprint cutinus favorable, they have been much benefited by the ref the past week.
1	88	Monghy: Begustita Jamus	Feli	4,	'88	Nil 0 10   0 7	Weather seasonable and clear Prospects of rubbs and poppy crops contacturation
	9.4	Buse ult ut Madelipur s tropool Banks	-	4,	88	Nil 0 43 0 24 0 09	Within - at first very all with strong west wind warmer during last two days. In specis of standing crops good, but into his somew duringed rokar, Insteed and gram which are in flower. Mustaid resulted in an outtire of 8 to 10 annex.
{	#5	Part cab Kubengung	<b>"</b>	4,	*8×	N <sub>1</sub> t 0 10 0 36	Weather-clear and warmer. Rubbs crops doing well Rain wanted in separts
	86	Arturenh Mulaul Chanchal	**	ı	788	N il 0 06	Weather—seasonable and fine. Harvesting of mustard and kales going. Prospects of subb crops good. Transplantation of boro paday going Common rice selling at in average of all sects per rupe.
		Southal Pergha Deoghur Godda Pakour Rajmahal	e lo	*	85	Nil 0 12 0 18 0 12 0 09	Temperature his gradually as a during the week. State of winter crips for More a an wanted in the Requished sub-division
RI	SSA						
1	æ	Cuttack	Feb	3,	*88	0 12	Weither-for, morning figgy. Reading of sarad completed with it on turn. Prices of food grains slightly lower. Common rice soils at secrepter rap can own.
1	86	Pooree Khorda	13	2,	288	1 19 0 67	Weather- semonable Land whom, plouded Dulus (springer i) is de- well Rubbs is being gathered. Commonact 21 sees 13 hit ack- rupes in the Sudd rant dismonand 21 sees I chittack in the letterde a division.
1	40	Balgante	,,	3,	<b>'88</b>	1 06	we other fair and coal. Thresting of paddy and gathering of rable got on Pressing of sugar in continuor. Datas rice doing will
		NAGPORE h-West Frontier	Agen				
		Haparibach,	Fob	3	F8	N.1	Weather-seasonable Recent ran has improved trosports of sublating
	41	Makacinas v	8.00	,		,,,,,	probable cutturn from the to eight names Sorrent as a tuling Poppy doing well averywhere Cases of cattle decrees on me to reported
: (	42	Lanurdinger		4,	'85	Nil	Wenther - clear Prospects of subbremum good Prospection
	43	Singnacom	,,	3,	198	0 64	Weather - bright and seasonable. Cotton doing well also the radio crops the ground, the late rain having benchiral them. Remark of suggests alm at completed with good outturn.
	44	Мадинова	)1	4,	'88'	Nil	Weather-gotting wirmer mit still cool and pleasant Sugareans being ou with excellent cuttuin. Prospects of rehar and today port.

Published for general information.

CALCUTTA, REVENUE DEFT.;
The 7th February 1888

P. NOLAN. Secy. to the Guet of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA

					Broom	IN HAMD AS	COMPLED OT-						
Names of Harra	1st week of Feb 1987	lat week of Mar 1957	let week of April 1397	lut meek of Wav 1957	1st wook of June 1647	lat week of July 1847	let wook of August 1%?	int week	3rt work of Oct 1447	1st week of Nov 1847	14t week of D c 1497	let week of Jen 1858	of Peb 1888
	Mds	Mds	X ds	Mils	Mds	36 da	Mdu	Mds	Kdr	Mds	Mds	- Meda	Mde
Balinghatta	909 91 9	4,73 060	14.01 Onn	12.67 009	1 34 "01 1	7 61 800	00 st 9	5 51,040	6 13 000	0.0 99 \$	342.040	2 47 000	2.84.040
Ooltadanga	53 900	1 30 €	72,400	€ 811	436 1	23 non	इड है	(1019	#LL 89	608 53	CU1 02	79 004	***
Chitpore, Golsbaree Comer- feelt, Bathbole and Culp. Chat	7 68,730	B 82 700	*471%	C 83 200	6,16 t0?	\$ 55 000	8 17 580	\$ 20°000	0 r \$19	<b>6</b> 12 190	6,27 400	6.4.8.00	4 62.200
Pathurnarhaite, Posta and Jorabaren	2,000	# 0\$v	B 200	\$ 040	\$ 09r	U00 <b>10</b>	2 000	2500	\$ 900	<b>★.0</b> 00	6,440	B,000	₹ 040
Tall ranne, Chie'ab Kidderpore, and Moonsbirtings	1 55,400	1,39,500	1,799.0	1 26 000	1,28 800	2 11 700	1 07 800	1 07,200	009 50 1	86 400	100	1,30,730	1,47 690
Il Rinor Baners (estimuted)	\$ 40.000	\$,40 000	900 0# #	2,49 00+	199,694	8,40 990	2.40 000	2 40,00	8 fu 000	1,49,90	1,40,60p	\$ 49,090	1,40 900
Other retail shops 3,139 in number (estimated)	2,50,000	2,50 000	000 09%	2,59 009	\$.50°000	# 59,000	2.50 0 0	1 50 0°F	₹ 50 000	\$ 10 00c	2 50,001	P 50,000	2 SA 000
Boidyahatty, Newahrunge Ehuddresens, and Changer-	139	6,243	6,142	6,648	92-126	6,430	G#2 #8	51 262	40 739	30 618	21,631	27 629	12.104
Total .	16,93,639	17,55,745	B 01 745	\$8,40,648	23,39,475	20 % 130	046,77	17,09,34,2	14 30 058	1, 66 016	16,44,3*1	16,98,129	19,75,684
on Railway princises on both assets of the arrer.  On boats u  Randes  Randes  Est Canal returns	16 388 fon 546 Feb 1437 Feb 1437 [1st to 574 1 51.193 Feb 1837)	(0) 4th Har 1947) Har 1947) 78 908 (1st to 3rd Mar 1867) 1 77 080 (1st to 3rd March 1867	# 888 fm stb April867 } (let to 3rd fped 1877 ) (let to 3rd April 1877 )	12 914 Mry 1857) ( st to ri May 1887) (fat to 3rd May 1887)	1   2   464   1   1   1   1   1   1   1   1   1	(on 4th July 57) (1st 1c 504 July 1857) (1st 24 7) (1st 24 7)	4 214 (on 411 124 60 3td Augu t 1987) (1st 10 1887) (1st 10 1887)	Con red September 8") (let to 31d September 8") (let to 31d September 8") (let to 31d September 8")	6722 October 57 43 hes (4th *e*) 1 0ct Ler 1987 ) (1xtr 2xt) Oct 2xt 1884 )	(on 4th 10 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4.532 1.00 6th 1.00 6th 4.45 De-19-7 De-19-7 (15t to 3rd	fcm 4th January 8th Ref. 25 on Trd 10 5th January 8h ) 1 42 639 (hat to 3rd Janu 98 )	1° 488 (Cu Ind Peb '45) 83 731 (Tat 10 3rd Feb 88) Z 13 833 ('ht for 3rd Feb 1885)
Grand Telm of Blocks	21,42 559	29,89,613	20 47,637	\$7,17,307	23 "5 850	20 85,287	20 ss 988	81815 PI	14 % 307	1 42 468	17 45,646	6359 0% 6-1	23,06,916
Probable shook available for supercasson by sen.	12 lakbs	9f lakbs	स्याप्त 🔳	16) lakin	ा३ई किएफ	20; jakhs	10glakha	58 lakha	et lakbs	8 lakhs	14 14 141	Oh lakbs	129 lakha

STATISTICAL DEPARTMENT, -TRe 6th February 1888.

P. Nollaw, Serretary to the Gout. of Bengal. PRICES-CURRENT (RETAIL) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DUBING THE FORTNIGHT ENDING THE 31st JANUARY 1898.

### PRICES CURRENT (retail) of Food-grains, Firewood and Salt in the

		<u> </u>			_			_													QU	AN	TIT	11	9 PER	RUP	EE IR
				W	mai.	AT.	<u> </u>	.	8	ANLWI				Ric	Z, 12	<b>=87</b>	<b>401</b> 1	.		Rto	1, 00	M	ion.		Jowan (Surgi	LOK CI	ROLUM lgare.)
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Return not received.

A In sub-divisions retail prices of salt per rupce were:—Culma and Hancegunge 13 seems and Cutwa 155 evens.

B At Rushenpore retail price of salt 10 seems per rupce.

C At Hampers Hat retail price of salt 125 seems per rupce.

D At Ghear retail prices of salt III seems per rupce.

E In sub-divisions retail prices of salt per rupce were:—Serampore 125 seems and Jahamabad 105 seems.

EI in sub-divisions retail prices of salt per rupce were:—Harmet and trum-Dum 13 seems, Bussirhat III seems, Bussirhat III seems, Bussirhat III seems, Bussirhat III seems, Bussirhat III seems, Choosdanga 11 seems, In sub-divisions retail prices of salt per rupce were:—Hooshtea 115 seems, Meharpore 13 seems, Choosdanga 11 seems, III seems, III seems, III seems, III seems, IIII seems, III seems, IIII seems, III seems, IIII seems, IIII seems, IIII seems, IIII seems, IIII seems, IIII seems, IIII seems, IIII seems, IIII seems, III seems, IIII seems, III seems,

### Head-quarter station Bazars of the Districts of Bengal on the 31st January 1888.

	PI	iolesale er maund seens,	OF 40		AVERAG	E WAG	BES PER M	ONTH.	
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In sub-divisions retail prices of salt per rupes were:—Labaga 12 seers, Jungipore 13 seers and Bongong 11 seers.

At heater retail price of salt per rupes were:—Labaga 12 seers, Jungipore 13 seers and Kandi 12] seers.

At heater retail price of salt 12 seers per rupes.

At Saligenge retail price of salt 11 seers per rupes.

At Saligenge retail prices of salt per rupes were:—Manickgunge 8 seers, Moonsheagunge 10§ seers.

In sub-divisions retail prices of salt per rupes were:—Manickgunge 8 seers, Per septre 9 seers and Bhola 10§ seers.

In sub-divisions retail prices of salt per rupes were:—Futuakhali 13% seers, Per septre 9 seers and Bhola 10§ seers.

In sub-divisions retail prices of salt per rupes were:—Attac 

seers, Jamaipire and Susrpore 13 seers, Netro kom 10§ seers and Thioregauge 13% seers, Netro kom 10§ seers and

### PRICES-CURRERY (retail) of Food-grains. Firewood and Sall in the Bud-quarter

						QUANTITI	ES PER RUPPE IN
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27	Gym :	13 4	13 4 16	0 24 0 24 0 3	0 10 0 10 0 12 0	17 8 17 8 21 0	454 750 600
28	Shanabad .	13 12	13 8 15	0 24 0 21 4 30	0 0 12 8 9 9 10 0	17 8 17 8 18 0	22 0 20 0
29	Durbhunga .	16 7	16 7	0 38 7 35 0	0 11 0 14 4 14 0	20 13 20 12 21 2	- N - W
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84	Hbagalpore .	16 2	15 1 16	■ 25 4 25 4 <b>2</b> 6	5 18 6 19 10 18 4	18 15 16 6 21 7	P10 486 488
86	Pornesh .	19 0	18 0 20	0 40 0 73 70	31 0 19 0 23 0	21 0 21 0 28 0	
26	Maidab .	18 0	18 8 14	0	0 16 0 16 0	22 0 23 0 24 0	A68 VER AME
87	bouthal Perahe.	12 0	11 0 26 1	0	16 0 16 0 20 0	29 0 20 0 28 0	A G . star . spe
88	Okiasa.	15 12	17 0 11 12	9	13 8 10 8 11 13	18 11 21 0 21 0	
#9	Poores	14 7	14 7 18 1	3	15 19 11 19 17 1	23 10 22 5 93 10	
40	Balasora	15 0	15 0 18	18 0 18 0 18	0 15 0 13 0 18 0	24 0 23 0 14 0	
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øl	Batar obagh	10 0		0 20 0 29 0 2	0 11 0 01 8 8 0 1	16 0 16 4 29 0	Not presumble.
43	Lohardugga	<b>12</b> 0	19 0 18	6 No 20 0 1	0 16 8 16 0 20 0	10 0 10 0 24 0	
AR	Singhhoom	19 0	16 0		19 0 16 0 28 0	20 0 22 0 22 0	
44	Manhhoom	19 0	<b>0</b>	0 84 0 84 0	19 0 90 0 1a o	. 22 0 28 0 28 0	
						<del></del>	

P At Cor's Bear retail price of salt 11 seers per rupes.

At anchyscha m Fenny sub-division retail price of salt 2 seers per rupes.

In Sesserom, Bhabash and Buxer sub-divisions retail prices of salt 11 seers per rupes.

In Madhabash and impose sub divisions retail price m salt 10 seers per rupes.

At Bappose retail price of salt 10 seers per rupes.

At noticel secsal price of salt 11 seers per rupes.

### Station Bazars of the Districts of Bengal on the 31st Janua y 1888 -(concluded.)

	WHOLESALK PRICES				
	PER MAUND OF 40	AVERA	E WAGES PAR V		
Batt	Sabe	ABUR-RODIAL AGRICUTURAL LABOURER	STOR OF HORSE-	CARLINIAR OF	
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}				Eastern Distri	ofs-c-neluded
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W In mh-distance	retail urion III sait per rupes	water-Bernseras 10	seers and James 94 se	-D10	

In Shaka, studehpoors and Soophol sub-d varous retail price of sait 11 seers per rupes
In Hanks, studehpoors and Soophol sub-d varous retail price of sait 11 seers per rupes
At Kishengunge retail price of sait 10 seers per rupes.
Lineary-divisions retail price of sait 9 seers per rupes.
The direct retail price of sait 9 seers per rupes.
At Kirkit retail price of sait 10 seers per rupes.
At Kirkit retail price of sait 10 seers per rupes.
At Kirkit retail price of sait 11 seess per rupes.

### PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in

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	Chitragong	3	10	U	3	ß	o	8	6	9		181			s.in			***		2	10	0	<b>3</b>	Įu	0	3	12	v	2	2	٥	9	0	Đ	2	
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\* Beturn not remived.

Calcorna,
The 7th February 1888.

indermentioned Marts of Benyal on the 31st January 1888.

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P NOLAN, Secy to the Govt of Bengal.

Meteorological Report of the Province

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for the week ending Friday, the 3rd of February 1888

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Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of February 1888.

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tement of Raintall in Sengal for the week ending Friday (6 p.m.), the 3rd of February 1888 -contd.

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Statement of Rainfall in Baugal for the week ending Friday (6 p m ), the 3rd of February 1888.—conci

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CALCUTEA the 7th February 1888.

# SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 3RD OF FEBRUARY 1888.

THE meteorology of the week ending the 27th of January had been important from the fact that a well defined harometric depression had marched in a south-easterly direction across the whole of Iudia. It was first noticed near Quetta on the 20th, and on the 27th it had almost reached Gopalpore on the north Madras Coast. The storm had brought disturbed weather over the whole of Northern India, and also in Bengal. At the plants stations moderate to heavy rain had fallen, while along the Himalayas snow fell for several days in succession, and at some stations the falls were reported to he very heavy. At the close of this week, therefore, weather conditions over Bengal were decidedly disturbed; the shies were Leavily clouded over a large part of the province, rain had been fairly general, humidity was high, the day temperatures were low, though minimum temperatures were nearly normal, and a light irregular wind current prevailed over the whole province. On the 28th, or the first day of the present week, the barometric depression above referred to had passed into the Bay of Bengal, and on the 29th it was approaching the east coast of the Bay, and its centre was not far from Akyab, while on the 30th it had apparently passed inland into Upper Burma, or had perhaps broken up, and it ceased to exert any further influence on the meteorology of India. With the continued south-easterly movement of the depression, conditions rapidly changed in Bengal; on the 2-th run fell pretty generally in East Bengal and at the stations in and near the hills in North Bengal, while a few showers also fell in Orissa, but after this date skies cleared rapidly, temperature and humidity decreased, and pressure rose very general y, while a strong and very cold northerly wind current flowed over Bengal, the wind current being of a particularly low temperature owing apparently to the cooling effect of the accumulation of snow on the hills and to the rainfall over 1 pper India. In fact during the greater part of the week under review the cold weather conditions in Bengal have teen present in an exceptionally pronounced form, and temperature has been particularly low, though towards its close it commenced to riso rapidly

Pressure.—The mean pressure for the week has been largely above the normal in all districts, and taking into consideration only those stations which have submitted observations for a series of years, and which therefore yield reliable averages, the average pressure over the whole province has been 0.072 inch in excess of the normal for the week. The northern districts of the province continue to show the same fact of relatively high pressure whose compared with the remainder of the province and thus at Parneali the excess pressure has been 0.1 inch and at 47.5 bhunga it has been 0.098 inch

Temperature.—At the commencement of the week temperature fell with great rapidly and became exceptionally low, and at some stations during the first four days there was a fall in the minimum temperature of from 10° to 15°. Over the whole province for the week temperature has been 3.8° in defect of the normal, though the defect has 100 most pronounced in South West Bengal, North Behar and Chuna Nagpur, where it has an ounted to nearly 5°.

The day temperatures have been exceptionally low over the whole province during the weel, and at some stations, such as Purneah, the maximum temperatures have been nearly 10 below the normal. The distribution of the temperature during the week is best seen from the figures in the following table, where the average maximum, minimum and me in temperatures for the week at nine typical stations in different districts of the province are given and compared with normal values for the same period. It will be seen that the average of the day or maximum temperatures at these stations has been 6.8° below the normal, while the night temperatures have been only 2.9° below it:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending the 3rd February 1888.

	Normal tient muxi- tient tem- prisente for the work of ding and Fobruary.	parature for the week	or defect	Normal mean muni- mum tem pristure for the week ending 3rd Folingary,	telgal mean man man fea- peatora for the work midnic frd February 1898	on life t of the national from	Normal mean daily temper time for the work ending sall referance	has no dedy tongs to tongs to the work ending ful Tongs to Tongs	freeson of felo retirel to see to te count
Outlack Calcutta (Alipote) Duces Burdwan Patria (Bankipore) Gya Porneal Hamiribagh Darpeting	96 U 78 2 79 3 79 3 79 3 76 9 75 9 74 0 43 1	70 0 71 1 73 0 74 2 64 8 70 0 64 8 86 8	-6 4 -6 4 -5 7 -7 1 -6 1 -6 16 -4 16 -7 2 -6 2	41 4 58 2 45 4 59 4 447 7 89 1 47 5 51 2 32 7	60 7 55 à 54 6 55 à 54 6 5 5 6 5 7 40 8 54 6	-24 -38 -38 -38 -35 -44 -44	67 to 61 to 61 to 62 to 63 to 64 to	70 1 4- 1 1 2 9 57 1 (1) 5 41 1 24 N 65 d	- 3 5 - 5 H - 6 H - 6 4 - 6 2 - 6 7 - 6 B - 6 B

Rainfall—Has been confined practically to East Bengal and Orissa and to the hill districts of North Bengal. East Bengal has received an average fall of about two-thirds of

an inch, and Orissa about a fifth of an inch, but the falls elsewhere only average a few hundredthe of an inch. The heaviest rainfalls reported were 5:14 inches at Cox's Bazar on the 26th, and nearly two inches at Kutubdea and Ruma on the same day. The Mymansingh district, on the other hand, received no rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 3rd of February 1888:—

				TRMP	RATU	t fi						ATRIC.	A La				
		ng weok.		1 • 1			d above or		Už wei	)K,	H.	eina G	aya.	Since lat of Sings January, May 1			
Metrororogica Divisions,	ı.	Rightst observed during	I owest observed dusing	"If highest of each day.	ter towest of each day,	Of mean for each day,	terage mean of wast	A vora fit.	Nomes average.	Farnation.	Average humber in	Normal average num- ber in week,	Variation.	1.00.7	Vorma average.	A verage.	Normal average.
Oriena es	14	8618	61.5	7616	60 1	08 5	-2.2	0 20	0.30	0		0.6	+0.5	1'31	0.44	41/73	54 37
ionth-West Bendal	.,	61.3	45.5	725	6213	6316	46	0.02	0'17	-0.12	0'2	0.6	-03	0187	0.24	47.53	20.90
isst Housel .	**	77.4	42.0	71.1	51.4	61'4	2.8	0"l/4	0.18	+ 0146	0.8	014	+0%	1.39	0.84	\$6'84	74:70
(orth hungal _	10	75 1	399	308	46:3	59'4	-3.2	0.02	0.11	-6'04	6.8	0.8		e <b>123</b>	0.20	73'23	70*15
orth Rebs		700	40.4	6× 0	4814	57'2	-42	Nit	0.10	-0'10	0.0	0-3	-0'3	0-48	0.67	52'55	48'57
outh Haber		78 4	420	69.6	83	6910	3 ₺	Not	0-14	-014	0.0	0"5	-0°4	0184	0.80	42'69	44"18
nutius lyaquist .		7514*1	4 9°	67:91	47:10	57 60	-4:49	Nil	0'14	-0.34	0.0	0.4	04	1.24	0.58	45 50	49'51

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MATEOROLOGICAL OFFICE, BENGAL:

A. PEDLEE,

The 7th February 1888.

Offg. Mateurological Reporter to the Gost, of Bengal.

# Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of January 1888.

		Test	· · · · · ·
The many programs of the month		Tachan	Dare Hour.
The mean pressure of the month	b.4	80 016	
The average pressure of January from 21 years' registers	***	30 014	
The highest pressure in the month		30 220	6th 10h,
The lowest pressure in the month		29 884	27th 16h
The range of pressure	***	0 336	
The total number of hours of bright supshine during the mo	on the	216·1	
The maximum possible number of hours of sunshine			
THE INSTITUTE hospitate mattered on mosts of statesting	***	337 3	
The most territoritive of the month		0.4	
The mean temperature of the month	4	63 4	
The average temperature of January from 24 years' regis	iters	67 7	W.1
The highest temperature in the month		77 8	5th
The lowest temperature in the month	9.4	48.3	31st
The range of temperature during the month		29.5	
The mean daily range of temperature		18.9	
The greatest range of temperature in one day	141	26 4	löth
		Per cent	
The mean humidity of the month		68	
The average humidity of January from 24 years' registers	***	71	
and managed and and an analysis and an analysi	***	• • •	
		Luch- r	
The mean vapour tension of the month		0.390	
The average vapour tension of January from 9 years' regis	ters	0 467	
The mean cloud proportion of the month		304	
The average cloud proportion of January from 11 ye	ears'		
registers		1.54	
	****	Inches,	
The total rainfall of the month		0.92	
The total rainfall indicated by a Beckley's self-registering i			
gange (mouth of the gauge about 52 feet above the group	und)	0.91	
The average fall of January from 48 years' registers	184	0 43	
The greatest fall in 24 hours	487	0.57	27th
• • •		Days.	
The number of rainy days in the month		5	
The average number of rainy days in January from 24 ye	***	9	
registers		0	
1c6191019 11:	14.6	2	
		е	
The mean maximum equilibrium temperature of solar radia	tton		
during the month		123.7	
The mean difference of ann and air temperatures		497	
The greatest sun temperature		133 I	21th
The greatest excess of sun over air temperature	***	5 59 0	24th
The mean temperature of the nocturnal radiation thermom			W 1121
on woollen cloth	444	45.6	
The mean depression of the nocturnal radiation thermom		100	
below the minimum air temperature at 4 feet above			
	MIC	0.=	
		9.2	
The greatest depression of the nocturnal radiation thermom		10.0	30.3
below the minimum air temperature	***	13 3	13th
		Miles.	
The mean movement of the wind per day		47.9	
the manager management of the wind in the day	***	1120	28th
m and a summer of the wind in one hour	***		
The greatest movement of the will in one nour	***	110	29th, II to not
			and noon to I r

The number of hours with winds from each of the 8 points-

N. 222, NE. 65, E. 18, SE. 3, S. 2, SW. 9, W. 47, NW. 126, Calm 252.

The results of observations at the Ahpore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Ahpore, and, other things being equal, reads therefore '003 lower. The diarnal range of temperature is also greater at Ahpore, and the mean temperature apparently about 2.5° lower; and, hually, the thermometer which has furnished the record of temperature at the Surveyor-General's Office during the last 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory

A. PEDLIR,

METEOROLOGICAL OFFICE, INDIA; Caloutta, the 6th February 1888. For Offg. Meteorological Reporter to the Cont. of Indea.

Results of the Meteorological Observations taken at the Alipore Observatory from 29th January to 4th February 1888

<u>*************************************</u>	_		of bright	burometer	T	BMPRO.	ATURF		1	I T GRON	RTLY	_	Winn	-		
Month,	Date	Maximum in sun	Subber of nurs of	Mean pressure bare	Vean	1 AXID AT	Pan e	manage	Yeau wet bab	Vapour tras an	Dew po n	Hemidits	Prevailing direction	Miles recorded.	Run.	WEATURE
1888		0		Inches	0	0	0	0	0	Ind g	0	1%			Inches	
Jan	39th	126 3	98	0.0**	(12	69.5	$1^r$ 0	415	113	0.332	47.6	C3	N by W and calm .	95	Ni	Chiefly clear
3)	90t1ւ	126 5	10 1	   16	59.9	000	19.7	{Q }	125	10%	457	61	NNI NW and	70	,	Chai 🕿.
	314	120 %	10-0	106	511	70 b	_2 1	45.3	  s	3_0	46.5	66	NNW and cthu	19	7	U(1 7-
Fob	ist	1287	104	059	1 1621 	   7 @ 	~13	th d	 	<i>3</i> 60	49 9	(6	WAW and Lilin	39	,	tlear ,s.
21	Cad	130 &	10.5	070	΄ι 0	71.5	_0.9	₫° 6	rag	455	54 i	71	WNW and calm	40	,	(hiefly olear
	3rd	131 9	]     10	011	t1 0	75.7	221	76.5	60.0	439	55.2	71	SWINS WWW and	10	1,	Clear A.
	4th	133 )	10	004	f#0	R) 5	231	"1	(_9	ፈበч	698	72	13 4 11 m 15W	ئەن	11	(leur, 🙇.
	<u>.</u>	ļ														

 ars, S. G.'s	ОЊ		Inches 30 072 29 988
	•		Lt or w
**			71.4
**			1/7
			O 63 2
1 years, S	G's Office	***	69 5
	64.4	141	33 2
	441		81.5
			Miles
-	,	***	11 Tos
••1	101	***	Not measurable.
			6γ̈́
or 24 year	s, S. G.'s ()	ffice	71
			Inches
888			Nıl
	<b>'</b> 6		0.19
		-	0 92
8. G.'e Offi			0 47
	1 years, S  or 24 year  888 G's Office	1 years, S G 's Office  Cor 24 years, S. G.'s O  888	lor 24 years, S. G.'s Office

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified the Kew Ob-creatory. They are exposed under a thatched shed open at the saies, and are suspended four fest above the ground.

The harometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteories given Office, and based on Regnault's modifications of August's formula.

The co-ections and the movement of the wind are taken from the trace of a Beckley's anemograph. The mouth of the rain-gauge is one foot above the ground.

- fug, 🛌 dew.

, A. PEDLER,

For Offg. Meteorological Reporter to the Goot of India.

METEOROGOGICAL OFFICE, GOVT. OF INDIA; Calcutta, the 6th February 1888.

## Abstract of the Results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of January 1888.

The lowest temperature during the month 481 31st.	64/6 80 1 16th & 28th.
The lowest temperature during the month 48:1 31st.	
The range of temperature during the month 32.6	481 3141.
A DESCRIPTION OF THE PROPERTY	h 32 0
The mean daily range of temperature during the month 200	g the month 20-9
The greatest range of temperature in one day during the month 280 15th.	ay during the month 280 15th.
°/ <sub>0</sub>	°/ <sub>0</sub>
The mean humidity during the month 67	67
Inches,	Inches,
The mean vanour tension during the month	n ·409
The total rainfall of the month 1-11	1-11
The greatest fall in 24 hours 0.74 27th.	0.74 27th.
The number of rainy days in the month 6	6

A. PROLER,

The second of th

For Offy. Meteorological Reporter to the Gort, of India,

METEOROLOGICAL OFFICE, INDIA; The 6th February 1888.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 29th January to 4th February 1888.

			ļ		Enest Piete.	ATELIB.			d Y	GROMBTHI.		
W**** <b>I</b>		Date.			Maximum.	Las Ro.	Mistaum.	Nean wet fulb.	Valentiens	Uew point,	Hemidity.	Rain,
1868.		•		٩	D=	0	•	0	Inches.	•	fet	inci m
Jenuary		29th	14.6	62.5	71:4	17.0	514	54.7	326	47/2	58	l <sub>K</sub>
47		Soth	197	61-2	71:1	20.0	51-1	63.7	815	46.3	ā8	
	107	Blst		60/3	72:1	21.0	48.1	53.8	331	476 .	63	
February		1st	-44	64.1	76.9	25-3	51:7	67.2	378	51.2	63	
,	10.0	2nd	- 111	66.8	7=-9	23.0	65/9	61.1	481	563-9	70	
	194	3rd	14 11	68:5	80.4	23.5	6 (9)	61.43	448	55.9	样子	
11		4th		76.9	83.0	25.9	58.0	Oá U	463	56.8	5111	

The mean temperature of the seven days The extreme variation of temperature	•••	65.8 95:8
The maximum temperature	884	83:9
The mean relative humidity	*** <b>Pp</b> *	61 Inch s.
The total fall of rain from 29th January to	4th February 1888	Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 6th February 1888.

A. PEDERR,
For Offg. Meteorological Reporter to the Govt. of India.

#### MEMORANDUM.

The chief incidents in connection with the vital statistics of the principal Municipalities in Bengal, for the week ending 14th January 1888, are the following:—

1. That hirths and deaths were registered in the proportions per 1,000 of population of 22 8 and 24 5 respectively, as opposed to 21 and 26 9 per 1,000 in the preceding week ending 7th January, indicating an improvement in the registration of births with a refrogression in that of deaths.

2 That the undermentioned Municipalities returned the highest proportions of births and deaths:-

		Bn ths.				Deuths.			
				Ratio per mille					Entre per
Narainganj		**	444	49 7	Beaulcalı		***		49.8
Moznflerpor	p			434	Suburle of C	Calcutta		***	44.9
Jessore	***	**		1_ B	Puri				42.0
Comillah			44	12.3	Narainganj	14+			37-2
Durbhanga		4+4		39.3	Jessore	***	***	111	28.7
Monghyr	٠		**	35.3	Gya				36 3
Beauleah				31 5	Serampur	141		***	33.4

5. That, as compared with the results of the preceding week, there was a fractional diminution of mortality from all the diseases, excepting small-pox and injury, the death-rates from which presented no variations:—

•					I	latio per mille durm	g the weeks cuding-
					,	14th Jan 1888.	7th Jan. 1888,
Cholers	480	441		44)	443	23	2 3
Small-pox	**	***	14	4*	444	.03	03
Fever		***	***		***	104	11:2
Bowel-comple	amts .		***	414		43	44
Injury	***	***	377	144	***	***	-2
Other eguses		98.4	FF1		***	7.3	8.1

4. That while the following Municipalities exhibited conspicuously high mortality from cholera, fever, and the maladies classed as "Other causes," in the others no noticeable severity from small-pox, howel-complaints or injuries occurred excepting in Puri, where 14.7 per 1,000 of the population died from bowel-complaints:—

Cholera		Ferer.		Other causes.	
Narainganj Heauleali Durbhunga Suburbs of Calcusta Howrah Dacca	Ratio per mille	Beauleah Jessore Purneah	Ratio per mille 312 215 208	Gya Puri Serampur Suburbs of Calcutta	Ratio per matte 19 8 14 7 13 7 13 U

5. That the death-rates in relation to Sex, Class and Age were returned at the rates indicated below: -

According	g to Ses	r.	Aceu	rðing t	n Class	•		Acce	rding	to Age	
Wates Females Ratio of male to every 100 deaths	deaths	129	(Teretiane Hindus Mahomeda	 ns		10 per 17:4 24:8 24:3	1 at 5 10 16 20 20 40 50	19 13 21 19 19	der 5 y 10 15 20 30 40 50 60	***	28.4 12.7 4.5 12.5 14.2 18.7 23.0 31.7

K. Lidberdale, M.D., Deputo Surgeon-General,

The 6th February 1888

Sanitary Commissioner for Bengal.

													4							7	MORT	MORTALITY		ACCORDING	SG TO-						
			<u> </u>	POPULATION.	row.				BIRTHS	nó		<u> </u>							e e	Disease.										601.	
	TAKES OF SUNIOI-	WUNIOI.				ME	NTEBER O	10	RITTO OF PAS	RITTO PRE 1,000 OF PODULATION PER SENEM.		<u> </u>	1	DR	DEATER PROS.	PROSE			<b>2</b>	RATIO P	PER LOOM	ASNEW ASNEW	OP POSULATION		pi it it	les engine	Оватив,		RATIO PER 1,0ft+OF POPULATION	788 07 110%	ed with
	Parit	&. F4	Na)es.	,telac.e%	tat.	de fa K	Fostinios.	Total	упінк.	-Balame4	LatoT	Saltasta magnal figs	.and-loster.	Ferona,		ייים ווגי במינות	-supreposity det(3).	VI CEUBER.	- intelection	*sod-Bants	Jeveria.	"eśniadqueo-emga	- Sinfal	-finalisationalis()	. — . —	req saltaab to olaati or req mornalised a req mornalised abow successed edu	Males	Kethinidae	.snins.	#afama\	ob atem to citali Netecuti tetrares
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-[-	Howrsh	141	53,183	\$7,480	90,813	71	54	4	2.5	12.4 2	8.38	104	15		9 10		_	ř	1 4.0	:	1	Å.		F	\$ 6)	100	91	13	E1/2	10 mm	94.2
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restmens 8	Stabig ring of Cale	Calentia	147, 208	104,234	\$51,479	63	13.	á	38.4	1114   2	, p. 161	118	18 64	ş	주 	-	1 83				0.21	1 93	71	28.0	4179	44.5	127	3	465	6.44	-
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and the second	Ranaghas	•	4,028	4,665	8,653	1	1	;	:	'- :	_	 	:		7	:	:	:		:	ī	:	:	:	;	の作用	ŧ		÷	÷	:
5	Rettipore	;	19.708	15,979	\$0,057	m	:	199	61	<del>-</del>	att. No fee	formal .	-		gi.	:			:	i	-		- -	47	01	193	-	G1	88	2.29	50
Selection	Je-sore	-	4.830	3 285	19,450	#	M	Į.	200	19:3	ST 5.57	133	_	-	: -	_	-		13 . 6	_ '	0.50		1	1.0	38.3	11.3	63	50	50	6.9.6	0.4
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Lippertal	Comillab	;	5,153	5,354	13,500	10	10	gad pro	1 23	10.5	Ë	100	-	rI	-	Ī		P.2		-	-	:	:	2,1	?! 	11.6	P4	60	61 61	7	69
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-144	Gya.	:	35,250	37,531	161.94	8	100 pm	1,7	17.8 5	10.9	2.40	17.0		èi	;		8	8	:	-	0.51	!	Į-	10.0	73	9.18	<u>й</u>	777	35.3		PG.
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#### PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL

#### SOUTH-WESTERN CIRCLE.

ORISSA COAST CANAL SYSTEM.

LENGTH OF CANAL OPIN, 971 MILES.

Statement showing Quantities of Goods carried during the month of December 1887.

			OTAL GOVERNMENT	and Private,		Paira	172		
enber of pais or pals.	* DESCRIPTION.		Quantity-Tons		Value.	Quentily.	Value		REMARES.
		Up	Dawn	Intal.	Rарсел,	Thas	Rupees		P. E. E.
320	1. Grain	2,638	581	3,219	1,19,566	3,219	1,19,566		
. ***	2. Cotton	111184	111414	*****	0.700	1 111 077	0.000		
5	3 Orlseeds	97	200	97	9,700	97	9,700		
21	4. Salt	54	268	322	21,928	322	21,928		
4	5. Piece-goods .	1	7	8	4,600	8	4,600		
1	6. Metal		1	1	120		120		
5	7. Buildingmaterials	18	16	34	375	34	37.		
809	8. Miscellaneous	308	709	1,017	98 450	1,017	98,450		
32	9. Fuel	20	348	858	4,960	358	4,960	ĺ	
raits	10. Timber	79 o. ft.	400 41	79 e it.	90	79 o. ft.	90	ĺ	
1)	11. Bamboos		433 c ft	433 ,,	45	433 ,,	45		
97 &	12. Total	3,136 &	1,920 &	5,056 &	10 10 034	5,056 &	) a to say		
rafts		79 o ft.	433 c ft.	512 e. ft.	2,59,834	{ 512 c ft	2,59,831		
22 <b>&amp;</b>	13. Total of same	1,127 &	214	1,341 &	61,056	ſ 1,341 &	} 61,056		
raits	month last year	226 a. ft.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	226 c. it.	1 51,000	1 226 c. ft	3 01,000		
	, *	Lp.	Down.	Fotal.			Rs.	Ă,	
	number of boats plying		200			ge of month			
CONT	rgo No	571	626	1,197	24+25+2		6,633	I	
	number of boats ply- passenger No.		F.0	400	Total toll		100		
	Y TORRESTICTET IN O. L	44	56	100	month las	r year	. 1,645	7	
	7 4 67				1				
Total	registered tonnage.	0015	F 0.45			<del></del>			
Total cor	registered tonnage,	6,945	5,845	12,790	-	-			
Total car Total	registered tonnage, go Tons registered tonnage,			12,790		 emorandum of	Tollage.		
Total car Total pas	registered tonnage, registered tonnage, senger Tons	668	514	12,790 1,182		emorandum of	Tollage.		
Total cor Total pas Ton n	registered tonnage, go Tons registered tonnage, seenger Tons nileage	668 192,024	514 184,837	12,790 1,182 376,861	Me	emorandum of	1		_
Total car Total pas Ton n Estim	registered tonnage, go Tons registered tonnage, ssenger Tons nileage ated value of cargo Rs.	668 192,024 1,24,285	514 184,837 1,37,414	12,790 1,182 376,861 2,50,699			Bs.	<b>A.</b>	-
Total car Total pas Ton n Estim	registered tonnage, go Tons registered tonnage, ssenger Tons nileage sated value of cargo Rs. per of passengers No.	668 192,024	514 184,837 1,37,414 1,831	12,790 1,182 376,861 2,50,699 4,039	1. Balance	e not recover	Rs.		- 1
Total car Total pas Ton n Estim Num Rafis,	registered tonnage, go Tons registered tonnage, ssenger Tons nileage sated value of cargo Rs. per of passengers No. bamboos c. ft.	668 192,024 1,24,285 2,208	514 184,837 1,37,414	12,790 1,182 376,861 2,50,699 4,039 433	1. Balance	e not recover	Re.		
Total car Total pas Ton n Estim Num t Rafts, Do.,	registered tonnage, go Tons registered tonnage, ssenger Tons nileage sated value of cargo Rs. per of passengers No. bamboos c. ft.	668 192,024 1,24,285 2,208	514 184,837 1,37,414 1,831 433	12,790 1,182 376,861 2,59,699 4,039 433 79	1. Balance	e not recover he let of t	Re.	9	
Total car Total pas Ton n Estim Numt Rafts, Do., Lstim	registered tonnage, go Tons registered tonnage, ssenger Tons nileage ated value of cargo Rs. per of passengers No. bamboos bullahs tated value of raits Rs.	668 192,024 1,24,285 2,208	514 184,837 1,37,414 1,831 433	12,790 1,182 376,861 2,59,699 4,039 433 79 135	1. Balance	e not recover	Re.	9	
Total car Total pas Ton n Estim Num t Rafts, Do., Letum Tollas	registered tonnage, registered tonnage, registered tonnage, seenger Tons nileage ated value of cargo Rs. per of passengers No. bamboos c. it. bullahs sted value of raits Rs. ge on boats	668 192,024 1,24,285 2,208	514 184,837 1,37,414 1,831 433	12,790 1,182 376,861 2,59,699 4,039 433 79	1. Balance on t mont 2. Tollage	e rot recover he let of t h per month	Rs. 3 976 6,6 m	9 1	
Total car Total pass Ton n Estim Nume Rafts, Do., Letum Tollag Comp	registered tonnage, regist	79 90 3,028-15-0	514 184,837 1,37,414 1,831 433  45 2,968-3-9	12,790 1,182 376,861 2,50,699 4,039 443 79 135 5,997-2-9	1. Balance on to mont. 2. Tollage	e not recover he let of t h per month	Ba. red blue 3 976 6,6 nl 10,609	9 1	
Total car Total pass Ton n Estim Nume Rafts, Do., Lettm Tollas Comp	registered tonnage, regist	668 192,024 1,22,285 2,208  79 90 3,028-15-0	514 184,837 1,37,414 1,831 433  45 2,968-3-9 275-1-0	12,790 1,182 376,861 2,59,699 4,039 443 79 135 5,997-2-9 631-5-0	1. Balance on t mont 2. Tollage 3. Amount	e not recover he let of the per month Total t paid in	Ba. red dlie 3 976 6,6 nl 10,609	9 1	
Total cor Total par Ton n Estim Numt Rafts, Do., Lstrm Tollas Comp bos Tollas	registered tonnage, go Tons registered tonnage, ssenger Tons nileage sated value of cargo Rs. per of passengers No. hamboos bullahs sated value of raits Rs. ge on boats ounded tollage on ats Rs. ge on rafts	79 90 3,028-15-0	514 184,837 1,37,414 1,831 433  45 2,968-3-9	12,790 1,182 376,861 2,50,699 4,039 443 79 135 5,997-2-9	1. Balance on to mont. 2. Tollage 3. Amount reast	e not recover he let of the per month Total t paid in iry during t	Ba. red 3 976 6,6 n3 10,609	9 1 10	
Total car Total par Ton n Estim Num Rafts, Do., Letum Tollas Comp bos Tollas Total	registered tonnage, go Tons registered tonnage, seenger Tons nileage sated value of cargo Rs. per of passengers No. bamboos bullahs see on boats counded tollage on ats Rs. ge on rafts , tollage on boats per	79 90 3,028-15-0 356-4-0 2-12-0	514 184,837 1,37,414 1,831 433  45 2,968-3-9 275-1-0 1-13-6	12,790  1,182 376,861 2,50,699 4,039 4,039 79 135 5,997-2-9 631-5-0 4 9-6	1. Balance on t mont 2. Tollage 3. Amount	e not recover he let of the per month Total t paid in iry during t	Ba. red dlie 3 976 6,6 nl 10,609	9 1 10	
Total car Total pass Ton n Estim Nume Rafts, Do., kstim Tollas Comp bos Tollas Total ton	registered tonnage, go Tons registered tonnage, seenger Tons nileage ated value of cargo Rs. per of passengers No. bamboos bullahs ated value of rafts Rs. ge on boats ounded tollage on ats Rs. ge on rafts , tollage on boats per mile Ro	668 192,024 1,22,285 2,208  79 90 3,028-15-0	514 184,837 1,37,414 1,831 433  45 2,968-3-9 275-1-0	12,790 1,182 376,861 2,59,699 4,039 443 79 135 5,997-2-9 631-5-0	1. Balance on t mont. 2. Tollage 3. 4. Amoun treasumont.	e rot recover he let of the per month Total t paid in iry during the	Bs. red 3 976 6,6 n; 10,609 1to he 1,994	9 1 10	
Total car Total pass Ton n Estim Numt Rafts, Do., kstrm Tollas Comp bus Tollas Total ton Total	registered tonnage, go Tons registered tonnage, seenger Tons nileage sated value of cargo Rs. per of passengers No. bamboos bullahs see on boats counded tollage on ats Rs. ge on rafts , tollage on boats per	79 90 3,028-15-0 356-4-0 2-12-0	514 184,837 1,37,414 1,831 433  45 2,968-3-9 275-1-0 1-13-6	12,790  1,182 376,861 2,50,699 4,039 4,039 79 135 5,997-2-9 631-5-0 4 9-6	1. Balance on t mont. 2. Tollage 3. 4. Amount treasument. 5. Balance	o rot recover he let of the per month Total t paid in iry during the	Bs. red 3 976 6,6 n; 10,609 1to he 1,994	9 1 10	

Abstract for the month of December 1887 = compared with the corresponding month of the precisous year.

				~	=						_			-	
: !					, ,	18	57-88,					1886	87		
				During th	4 20001	rth	To oud of the	io mi	onth.	During th	и шог	th	To end of	the poo	ការព្
		-		Rs.	Å,	P.	Ra,	ă.	P.	Ra.	Å,	P.	Ra.	A.	P,
prisa	444	***	•	6,638	1	8	35,211	9	9	1,645	7	6	16,818	10	3
													<u> </u>		

Geloveni, de 7th Robenson 1488. A. D. McArthur, Major, R.s..
Under-Secretary to the Government of Bongal.

#### PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

#### SOUTH-WESTERN CIRCLE.

#### CALCUTTA AND EASTERN CANALS

Statement showing Quantities of Goods carried during the month of December 1887

			TOTAL GOVERNM	ENT AND PRIVACE		- Prisa	**************************************	
Number of boats or rafts,	Description		Quantity Tons		Valuo	Quantity.	Value	1
PRO INC.		Up	Down	Total	Rupees	Tons	Rupess	REMARKS
552	1. Grain	16,476		16,476	13,76,982	16,476	13,76,982	
1	2, Cotton	. 2		2	1 000	2	1,000	
8	3 Unisceds	174	***	174	15,962	174	15,962	
<b>32</b> 5	4. Salt	357	5,296	5,653	4,74,855	5,693	<b>4,74,85</b> 5	1
Him	5. Prece-goods 6 Metal	7	41	48	7,350	48	10 77 02 0	
8 128	7. Building material		115	3,806	50,957	3,806	7,350 50,957	
3,172	8 Miscellaneous*	30,619	360	30,979	34,72,265	10,979	34,72,265	. 1
646	9. Fuel	10,584	3,471	14,055	1,10,212	14,055	1,10,212	
l raft	10. Timber		40 e ft.	40 o ft.	60	40 a. ft.	60	
*****	11. Bamboos	bb +1 +	***	10000	449.41	4= 1 = 1	*****	F
1,840 & 1 raft.	12. Total	61,910	9,283 40 o ft	71,193 & } 40 o ft.	55,09,643	{ 71,194 & 40 c. ft	} 55,09,643	
4 000 8	10 70-4-1 at some	52,450	1	62,282		62,262	1	
4,882 & 2 rafts	13. Total of same month last year.	< 82	9,832	35	46,08,322	8	46,08,322	
A Section	100000	1 24 No.	P (	24 No. )		24 No.	,	
		Up	Pown	Total	4.	·-	Ra.	À.
•					The sale sale			
	number of boats plying	4 800	F10	1.04	24+25+	ge of month	19.005	•
081	go No	4,328	512	4,840	217607	40	40,890	6
4a. Ditte	empty "	1,846	1,464	3,310	Total tollag	e of same mo		
	number of hosts plying senger No.	290	3	293	last year		37,361	13
6. Total	1973	157,089	34,609	191,698				
					Me	morandum of	Tollage.	
	registered tonnage,	845	16	861				
Pas	senger Tout.	040	10	001				
8. Ton-n	nileage	1,442,340	346,250	17,88,590			Rs.	A-
9. Estim	ated value of cargo Rs.	49,53,103	5,56,480	55,09,583	1. Balance the 1	not repovered at of the mor	th 1,582	8
io. Numl	per of passengers No.	700	10	710				
≀1. Befta	, bamboos c ft.		*****	100004	2. Tollage	per month	43,995	8
2. Do.,	bullahs ,	484488	40	40				_
3. Retim	ated value of rafts Rs.		60	60	8.	Total	45,577	15
4. Tolkag	e en boats	35,510-12-6	8,483-14-0	43,994-10.6				
	7 7 11							
5. Cezape bos		***	•••	) 	4. Amount	paid into tr		
6. Tollag	ge on rafta "	*** **	0-12-0	0-12-0	eury mont	during	the 48,864	16
	tollage on boats per	14+700	140101	4 72 pies		1 ^		
8. Total	tollage on rafts per cubic feet Rs.	B03+1+	** ***	1-14-0	5. Balance of the	due at the a	ad 1,912°	25

#### "ARTIOLES OF TRAFFIO INCLUDED IN ITEM 8 (MISCELLANEOUS).

#### CALCUTTA AND BASTERN CANALS.

			TOTAL GOVERNMENT	AND PRIVATE.			7ATB
Dier of ste or mits.	Description.		Quantity-Tens.		Value	Quantity	Value.
		tip	Down.	Total,	Rupees	Tons	Rapess.
1,053	(a) Jute	24,032		24,032	26,91,576	21,032	26,91,576
117	(b) Jaggery	608	5	613	60,109	613	60,109
8	(c) Sugar	38	*** **	38	7,525	38	7,525
4	(d) Tobseco	10	9	19	4,200	19	4,200
1,142	(e) Fish	196	*****	196	55,012	196	55,012
9	(f) Hides	15		15	3,400	15	3,400
56	(g) Poultry	10		10	8,311	10	8,311
78	(h) Hay and straw	285		285	9,594	285	9,594
28	(f) Oila	291	404***	291	40,720	291	40 720
32	(k) Earthenware	88	*****	88	1,236	88	1,236
647	(m) Other miscellaneous	5,046	346	5,392	5,90,582	5,392	<b>5,9</b> 0,582
3,172	Total Micrellaneous	30,619	360	30,979	34,72,265	30,979	34,72,265

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL. SOUTH-WESTERN CIRCLE.

#### TOLLY'S NULLAH.

Statement showing Quantifies of Goods carried during the m onth of December 1887.

Member of			PTAL GOVERNMENT	r and Privare.		Patva	TI,		
posto or posto or lamber or	Description.	- Q	nantity-Tons		Value.	Quantity.	V <sub>4</sub> 1	110,	Research
		19	Down	Total	Rapses,	Tone,	Rep	ness,	1
6,287	1. Grain	15,540	1	15,541	12,33 133	15,541	12,3	3,133	
7	2. Cotton	78	890 43	78	14,000	78		14,000	
1 55	8. Orlseeds	23 411	269	23 680	2,925	23		2,925	
99	5. Piece-goods	377	200	000	57,150	680		7,150	
*****	6. Metal	4+++	Maria			*** **	P+4		
261	7. Building materials	• 2,148	110	2,448	12,641	2,449		2,641	
■Î 220	8. Miscellaneous* 9. Fuel	3,841 3,201	116	3,957 3,201	5,06,692 $15,065$	3,957 3,201		6,692	
3 rafts	19. Timber	1,095 c. ft.	****	1,095 c. ft.		1,095 c ft	,	5,065 6,310	
2 ,,	Il. Bamboos	62 ,	*****	62	7	62 ,		7	
,742 & 5 rafts.	12. Total	25,542 &   1,157 c. ft.	386	25,928 & 1,157 c. ft.	18,77,923	{ 25,928 & 1 157 c.ft	18,	77,923	
<b></b>									
,808 & B rafts.	13. Total of same month last year.	17,540 & }	951	18,491 &   52 No.	11,24,874	18,491 & 52 No.	}11,	21,874	
		Tp.	Down.	Total.	Total tolls	age of mont	h-	Rs.	A,
Total car	number of boats plying go No	7,673	69	7,742	24 + 25	+ 26		13,980	1
a. Ditto	empty ,,	1,249	426	1,675	Total tol	lage of s	ame		
	number of boats plying senger No	314	16	3'00	month la	st year		10,026	1.
Total	registered toninge, Tons.	34,820	3,839	38,659	1	lemorandum (			
Total :	registered tonnage, pas- ger Tons	729	52	781			7 100	age,	
. Ton-m	ilenge	7)8,184	62,256	780,410				Rs.	1
. Ketim	ated value of cargo Rs	18,34,369	37,237	18,71,606		e not recov			
Numb	er of passengers No.	1,874	81	1,955	mor	the 1st of th	the	479	ı
Rafts,	bamboos c. ft	62	*****	62	2 Tollow	per month		10 000	•
. Do.,	bullahs "	1,095	944140	1,095	voirale	bor month		13,980	i i
. Eştim	ated value of raits Rs.	6,217	100	6,317	3.	Total		14,460	
. Tollag	ge ca boats ,,	13,006-1-9	953-6-0	13,959-7-9		a Vidi	***	· 7,300	'
i. Compo		*****	*****	037159	4. Amo				
Tollag	ge on rafts ,,	20-0-0	1-8-0	21-8-0	mor	eary during		18,686	1
. Total mi	tollage on boats per ton- le Rs.	B4747B	*****	3 43 pies	,				_
8. Total cul	tollage on rafts per 100 bio feet Rs.	1 804-009	## 199	1-13-8		e due at the	end	494	4

# ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

#### TOLLY'S NULLAH.

					Total Governme	ST AND PRIVATE.		PRIVATE.		
Ynmber of hosis of rate,		Description.			Quantity-Tons.		Value,	Quantity.	Value,	
				Up.	16 mp.	Total.	Lupies.	Torus	Вирем.	
1	(a)	Jute	•••	5	A.A.118	5	600	5	600	
115	(b)	Jaggery	[	687	2	689	57,885	689	57,885	
	(c)	Sugar	***	*****	*****	F85	.,		494***	
8	(d)	Tobacco		55	21	76	14,875	76	14,875	
240	(e)	Fish	***	39	4	43	12,119	43	12,119	
1	(f)	Hides	**-	2	8.0789	2	800	2	800	
6	(g)	Poultry	•••	5	*****	2	560	2	560	
189	(h)	Hay and at	raw	486	4+494	486	10,218	486	10,218	
40	(j)	Oils	•••	352	27	379	53,050	379	53,050	
114	(k)	Earthenwa	re	117	22	139	1,948	139	1,948	
247	(m)	Other mis	scolla-	2,096	40	2,136	3,54,642	2,136	3,54,642	
961	Total	Miscellane	ous	3,341	116	3,957	5,06,692	3,957	5,06,692	

## ABSTRACT FOR THE MONTH OF DECEMBER 1887, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

			n	. Bud	2			TRAFFIL, 1866-87.							
	- 1		140	AFPIC	. 1817-88				- 73	OTHER	, 1000-er,		_		
		Disting the m	enth		To end of the	montl	h	Daring the	mont	h	To end of the r	nouti	D.,		
	- 1										' <u>-</u> -				
		Ив	A.	P	Rs.	A.	ľ	Rs	Å	P.	Ra	A.	P		
Calcutta and Eastern Cauals	Ì	43,995	6	6	2,59 240	8	9	37,361	13	3	2,19,458	0	6		
Telly's Nullah		13,980	15	9	90,597	11	0	10,026	35	9	66,695	10	0		
	  -														
Total .		57,976	ħ	d	3, <b>4</b> 9,838	3	p	47,388	13	b	2.86.153	10	6		
								_				_ ,			

CALCUTTA.

The 7th February 1888.

A. D. McARTHUR, Major, R.R.

Under-Secretary to the Government of Bengal.

#### PUBLIC WORKS DEPARTMENT, TRRIGATION BRANCH, BENGAL. SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS

Statement showing Quantities of Goods carried during the month of Describer 1887.

			TOTAL GOVERNME	nt and Phivate.	_	Pan	VATE.	
iberol Alb Billo	DESCRIPTION		Quantity - Tons.		Value	Quantity	Value	Känabes.
		Սթ	lown	Total,	Rupecs	1 100	Rupees.	. No.
756	1. Grain	266	8,112	8,378	4,13,105	9,379	4,13,105	
104	2 Cotton	*** **	***		100.00	984 91	***	
155	3. Oilseeds	82	1,695	1,727	1,89,104	1 727	1,89,104	
424	4. Salt		21 614	2541	2,13,462	2,541	2,10,462	
30	5 Piece-goods 6. Metal	130	***	190	29,510	139	500 5 to	
22	7 Building materials		69	139	5,933	140	29,510 5,933	
)73	8 Miscollancous	1761	6,240	8 063	11,77,699		14,77,699	
75	9 Fuel	541	1,2	673	5,745	67.3	5,735	
its.	10. Timber	65 c ft	26,729 e 1t	26,791 c. ft.		26,794 c ft	37,3 7	
31	11. Bamboos	,	24,289 ,,	24,253 ,,	2,285	21,253	2,285	
135		6 5,354	16,247	21,601)		21,601		
l	12. Total	1	8	\ \ \d	23,74,190 (	d	2374,190	
afis		€ 65 e ft	51,011 o ft	51 076 e ft J		51,076 / ft.		
- &c	13. Total of same	4,9,1	18,225	18,176		18,176		
alts	month List year		& 13,016 e fe	18 ta2 c ft	19,64,052 (	18, <b>1</b> 32 e It	≥19,61,052	
		ξp	Down	Sotel		,		
Poto	number of boots ply-			-			Rs.	٨.
	cargo No	960	1,475	2,135	Total tolla	or of most	th	
	litto empty boats,		2,710	~,1 "	24 + 25	+ 26		9
ste	amors &c. No	526	71	900				
Tota	I number of boats ply-	Ì						
	passenger No	570	574	1,111	Total toll		ame	
	ty boats No	25	76	101	month las	tyeir	11,147	3
	registered tonnage,						_ !	
COL	go l'ons	19,716	32,153	51 869			_	
	registered tonnage,	0.79.1			J/o	<mark>mor</mark> andam o	f Tollage.	
pas	senger Tons	371	352	723				
l'on-	milenge .		*** **				Rs	A 3
L'stin	nated value of on go Rs.	7,21,542	16,13,006	23,31,549	1 Balanco	not recove		
r.	1					e lst oi		
	ber of passengers No.	883	1,570	2,453	month	1	. 1,196	i.
	s, baraboos e ft	05	24,282	24,282	O NS 33		111111	4
	, bullahs	65	26,729	26,791	2. Tellage p	or month	13 2/0 3	9
	nated value of ratts Ra- go on boats	165 4,832-10-4	39,477 7,956,15,0	39.613	Q	m 1	111 (26.1)	0.3
omi	sounded tellage on	Zju Jéstosz	7,956-15-0	12,789-9-4	5,	Total	111,466-16	υĮ
boa	to eee		40.1480	(****	4. Amount	mul	j ito j	
	ge on rafts Rs	0-15-0	480-0-9	480-15-9	freasur	ry during t	he '	
l'olla					month		. 11 128 6	) <u>1</u>
	l tollage on hosts ner							
Tota	l tollage on boats per			I				
Tota ton-	mile	<b>0</b> 44554			5. Ralance de	uent flore	nd	
Tota ton- fotal		*****	. 1	0.15.1	5. Balance d	ue at the e	nd 338 10	) 8

\* Bosts in these rivers do not pay per mile.

Abstract for the month of December 1887, as compared with the corresponding month of the previous year

	1887-86.	3 Nobel 57
•	Daring the month. To oud of the menth.	During the with. In end of the month
	Rs. A P. Rs. A. P.	Rs. A. F. Rs. A. F.
***	18,270 9 1 1,71,975 8 7	11,147 3 6 1,78,392 3 6

#### OIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 4th Frbruary 1888, as command with the corresponding week of the previous year.

		,		DING BATUR H LEBRUARY!		W REE EXDING BATURDAY, THE STH PRINCULLY 1887				
Nature	102 (ABOR		Number of boats	Weight of cargo.	Tollage	Number of boats	Wright of eargo	Tollage		
*			No	Mds	Ra.	No.	Mds.	Rs		
Rice and paddy Jute Firewood Other articles	490 493 494	441 441	2, <b>194</b> 149 131 1,070	4,80 106 96,813 66,2.5 3,07,685	8 568 1,692 1,021 8,967	1 912 125 130 971	4,00.746 79,641 1,01,225 2 60,210	7.224 1 361 1,362 3,639		
	Total		3,534	9,58,829	15,238	3,138	8,41,922	18,586		

#### Weekly Return of Traffic Receipts on Indian Reilways.

#### EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 28th January 1988, on 1,519} miles open.

,	Соленти	TRAFFIC.		AND MINERAL	Olber enemings	Tols!	Trappic Train-miles Row.		
	Number of passengers.	Couching recents.	Weight corred.	Recoiptu.	(entimated).	¢armings.	Conching.	Merchan- dise.	Total.
		Ru. A. P.	Mos. s,	Ba. 4. P.	Ru. a. p,	Ra. J. P.			
jour trains for the week If per mure of radway for provious 3 weeks of half-	209,389	3,14,711 2 0 207 14 7	27,78,457 20	0,67,811 1 0 340 15 A		10,01,777 4 8 661 12 7	65,5714	105,841	160,453
1681 ··· · · · · · · · · · · · · · · · · ·	797,162	9,48,110 5 0	84,08,397-10	19,61,124 7 8	60,428 13 4	20,71,603 0 g	190,6213	818,525}	609,180
comparison,	1,046,651	12,62,828 7 0	1,11,81,855 30	96,30,616 H 0	79,952 14 0	39,73,400 (8 )	261,1957	424,3874	578,582
fotal for corresponding week of previous fear for mile of callway corresponding	277,971	3,10,528 0 0	15,40,038 \$0	<b>6,66,7</b> 16 8 3	17,738 P 2	9,94,993 1 6	06, <b>36</b> 2	102.905	169,98
week of previous year	188,50	204 15 6	*****	<b>6</b> 10 1 3	11 11 +	656 12 (			0011994
BERTIONS YORK	967,588	11,14,363 14 3	1,68,64,044 20	26,81,893-13 O	74,841 4 6	38,71,098 15 (	276,157	439,716	713,978

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

Recrit						BE. APRIL 1840 TO 20TH SANTARY APRIL 18					OM 184 LYUARY	To[al	Total
Mean Literge spried.	Receipts.	mile	Mean mileage worked.	Receipts.	Por mile worked.		Total receipte.	Per mile worked per work,	Menn mileuge worked,	Total receipts.	Per mile worked ler work,	luctures in 1685.	дестика <u>га</u> 1888.
	Rs.	Ks.		Ra,	24,		Ba.	Rs.		Ha.	ian.	Ra,	Re.
3,516	618 (1283	657	1,515	10,01.777	#02	1,515	3,81,50,016	584	1.6147,	3,74,11,193	874	864419	7,08,893

#### PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th January 1888, on 57 ; miles open.

distribution ( or many series ) ?	COACRING	TRAPPIC,	MERCHANDISE TRAP		Other extensis	Total	TRAPPIC TRAIN-MILES RUB.			
	Number of passetters.	thaching receipts.	Weight carried. Receipts.		(estimated).	Caritings.	Conching,	Merchan- dose.	Total.	
		Ba, A. P.	}(Be. 4,	Te. 4. P.	Bs. 4. P.	Ri. d. P.				
Intal traffic for the week Or per mile illustraty For previous B weeks of helf-	13,717 946	7,R49 10 0 187 3 9	27,158 0 476 30	1,800 \$ 0 \$2 8 6	30 13 0 0 8 7	9,740 9 0 170 4 N	1,911	807	2,508	
the braining D and in the total	39,219	11,304 6 0	1,04,924 10	6,423 9 p	\$10 tr 0	27,816 A 0	5,412	1,614	7,395	
Total for 4 weeks	52,038	19,151 0 0	1,32,082 10	8,289 15 0	121 5 0	37,500   1 11	7,523	2,49[	9,504	
COMPARISON.								1		
lund for corresponding week of previous year	12,002	8 790 3 H	40,196 20	<b>3,855</b> 11 0	74 0 0	10,100 <b>1</b> 5 G	1,60	725	1,204	
the week of previous year	224	178 11 4	680 D	88 E 1	1 4 9	178 8 2	*****	*****	441-1-	
Patal to corresponding date of previous year	47,091	25,794 1 2	1,77,467 10	12,103 8 0	223 4 6	36,120 13 N	7,037	8,089	10,096	

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1893.

Racey	RECEIPTS FOR WHEE ENDING RECEIPTS FOR WHEE ENDING TOTAL JANUARY 1887.					JANUARY 1887. JANUARY 1888.					Total lucrease in	Total decrease in	
Voctor.	Becalpia.	Per mile werked.	Henn milease worked.	Receipts.		Mean milesge worked.	Total receipts,	per porked per week.	Mean mileoga worked.	Petal recorpis.	Por rolle worked per week.	1986.	1898,
871	824. 19.900	Ra.	*****	Ra. 9,741	Ra. 170	1873	Ea. 1,30,720	Ba. 178	87}	Ra, \$,15,586	its. 169	ldd c gg	Re. 21,556

#### DILDARNAGAR-GHAZIPUR STATE RAILWAY

Approximate Leturn of Iraftic for week ended 28th January 1888, on 12 miles open

	-					_	
	Coacuts	я Телууіс	Menonampion Lan	and <b>Winnial</b>	Other exchiles	Potal earmings	Transio Train-Milbs bug
	Number of passagers	Conclusion Teaching	Weight carried	Receipts	(settin sted)	E CHARE PROPERTIES	Concluse Merchan-
		Ba I z	Mos e	Виде	Ra A P	Ви др	
T stall traffic for the week Or per mile of tailway For previous i withs of half-	5,0.3	(0) 12 0 40 13 0	4 615 10	292 14 0 23 9 4	10 4 0 e 7 j. U	70 · 2 · 0 6d · 4 · 2	33 H 156 40 H
Jent.	1000	1 89 19 0	97 743 20	1 (29 7 0	28 R 8	3 527 12 0	1 034 646 1,460
Total for 4 weeks	13 (963	. 971 P 0	1 02 ( +10	1,912 8 0	99 0 0	4 1.4 14 0	1 174 804 1 976
COMPARISON							
Total for corresponding wisk of previous year.  Per nule of rankway corresponding week of an application.	# 303j	Strá G fi	36 451 31	3743 15 Q	2 4 0	1189 6 8	389 113 463
year Total to corresponding data of		47 0 B		31 15 11	0 2 8	70 3 1	
previous year	11 276	1 499 6 3	7414 10	1 705 10 0	20 11 9	3 679 10 m	1442 # 1 3043

Approximate Statement of gross receipts of the Dildarnagar-Ghazipus State Rashway, prepared on uncordant with Public Works Department Circular No AAI, Rushway, duted 23rd July 1885

_		***				_			_				
Aucei gh	PTO PURMEE TH JANEAUS	1 ENDIG 1847		ra yon were 11 Janeary 19		A12	RECEUTS FAC FOR THE Z ANTART 1857	I ÇIE	] AL	RECRIPTS INC MILLISHT TO SEL JANIARY 1888	n let	Тойп 1	Total
Mosn mule up enried	Косетр с	der eil eined	Mean nations worked	Itacopts	Pur mile weskes	Mean milense w racil	tal recupia		Heam milenso worked	Total corcupts	her maked fr witk	18/8 18/8	1484
	Ha	Ks		Ra	Bu		lta	R4		Rs	R.s	i IGu	
12	ş (ı	79	11	793	60	112	14 419	75	13	30 714	77	198	
_												<u> </u>	_

#### SINDIA STATE RAILWAY

Approximate Return of Traffic for week ended 28th January 1888, on 74° miles open

	Coaching Trappic		Marchandire I	MC	0:1		TRAFFIC TRAIF-VILES RUE			
1	Number of passoness	Conr lung receipts	Weight	Recripts	(ost mated)	Total earnings	Coaching	Metaban Gim-	Tota	
		Ra a r	MDH 2	RA A P	Rage	Ro A P				
Total scaffin for the welk the per mue of rations; For provious 3 wacks of half-	4 646	8623 8 0 88 7 1	90 257 0	3 197 7 0 61 7 1	125 10 0 1 10 10		cag <sub>3</sub>	Ţ DiS	2 016	
Angl. how nadelosse 2 mergs on name.	11701	10 412 11 0	250,684 0	16 %65 P 0	84H 7 G	25 966 11 0	1,071	5,1632	7,184	
Total for 4 weeks	18 S47	14 030 1 0	9 47 9(1 0	10 203 0 0	474 1 0	98,719 1 0	2 45"}	H HL1	0 \$ 9	
POM5平8190支										
Tatal for corresponding week of previous veit Per mile of railway correspond	5 315}	1 808 13 16	1,13 2% 30	8 98 4 10 0 80 0 1	70 7 6	''		1,98,1	2,010	
busing some men at a man and a man man man man man man man man man m	21 844 21 844	16172 1 21	4 40,695 20	43,7(3 D 0	20D X0 0		2019	B,190	6,198	

Approximate Statement of gross recespts of the Sindia State Ruslwas, prepared in accordance with Public Works
Department Circular No XXI, Ruslway, dated 23rd July 1888

RECUIP	te for wher i	ending 687 ◆	Ruckiy 281	IN FOR WERE P & January 18:	ntitra		L RECEIPTS FRO PRIL 1816 TO a JANUARY 1887	PTIL	41	LI RECEIPTS PAG PRIL 1887 TO 28. JANUARY 1888		Total incresse	Make L Assembly
Mean mileare worked	Beceipta .	Beceipts   Per   Mesn   Beceipts,   worked   Beceipts,   worked				Mean mileage worked	Lotal receipts,		Mean mileage worked	Total prosipte	For mile worked per week	in 1880	100 1 4000
148	K6 8,964	138	142	Ba 7 740	104	743	Ra. 3,33,640	84. 101	745	B,68,116	Re. 114	ika 49,816	Affe map

#### TARKESSUE BRANCH RAILWAY.

Approximate Reburn of Traffic for week ended 28th January 1888, on 221 miles open.

	Содению	TRAFFIC.	MERCHARIGSY. Than		Other carnings	Total	Trappic	Train-mil	28 R11 K.
	Number of passengers.	Combing receipts.	Weight carried.	lterespis.	(estimated),	earnings.	Coaching.	Morchon- dise,	Total,
	İ	Es. A. P.	Яра, ш	Rs. a. P.	Rs. A. P.	Rs. A. T.			
Total traffic for the work Or per mile of railway for previous 3 week of half-	22,615	5.545 0 H 2-0 h 4 .	9,046 10	263 7 0 11 12 11	6 8 D 0 4 8	5,831 15 0 262 4 9	885	83	269
yest a	65,021	18,096 1 0	9 (fig. 10	034-11 - 0	14 6 11	11,465 2 0	2.719	185	8,904
Total for 4 weeks	77,630	19,357 1 0	29,755 20	9L7 2 0	10 14 0	20,395 1 6	3,614	269	3,478
Total for curresponding week of pravious year Per mile of skilway correspond-	18,0674	4,516 12 8	7,189 20	291-10 n	4 2 0	4,725 b ii [	917	27	988
ing week of previous year Total to corresponding date of	- 01 90	\$163 (I G		9 3 2	8 3 0	315 6 5			
biotions long	£0884,00	17,854-15 7	87,750 U	866 5 0	21 11 3	18,583 18 to	404,5	160	6,078

Approximate Statement of gross reveipts of the Turkessur Branch Railway, prepared in accordance with Public Works
Department Circular No. XXI, Railway, dated 23rd July 1883.

R	RCRIPTS FOR Y	YBBK 114 (087)	RECEIPT	s for weed	e exping 1868,		, receipts pro 1886 to 20th I 1887.	ом 18т	Тота Архи	h krektera pr 1867 rodsku Ja 1868.	OM IRY ORUNIS	 ใ ใ ที่เปลไ	Total
Menn milenze worked:	Beceipts,		Moun mileago: worked.	Berripts.	for indo worked,	Mara mileage worked.	Total recorpts.	worked in	Mean tileage turke(i.	Total receipts.	Per mue worsed per week.	increase in 1886.	derress in 1889,
11-905.	Ba.	Ru,		Ra.	Ra,		Ra.	Ra,		ita.	ltu,	Ka.	
19 <u>1</u>	4,756	212	221	6,832	807	551	1,84,965	201	221	2,10,172	49.4	18,707	**************************************

#### ASSAM-BEHAR STATE RAILWAY

#### (PURNEAU SECTION.)

Approximate Return of Traffic for week ended 21st January 1888, on 39 miles open.

	Сомения	d Trappi 	C.	MERCHAND		AND MIN	RHAI.		Other earnings (estimated).	Tions I		Tharr	C Train-Mi	Je Lvg
	Number of passengers	Coxel recei	. 17	Weight earned.		Receip	16,		(tatinated).	TOTAL PA	1161 ET (ES)	Conching.	Merchan-	Total.
		HA,	L. P.	Mar.	۵.;	M fe,	A. P	si Si	St. A. P.	Rв.	A. P.		·	
otal traffic for the week Ir per mile of rajiwny or pravious E week of half-	2,681 66	840 82	0 0			. 1,890 36	n (		LG (I D	2,345 54	0 B 0 0	566	J46	1,09
Josef in the control of	6,230	1,811	0 0	35,256	0	3,041	0 (	p i	34 0 0	4,863	0 g	1,002	1,609	240
Total for 3 weeks	1,888	2,631	0 0	49,686	()	6,412	0 (	0	45, 0, 0	7,108	0 0	1,038	880,1	3,27
COMPARISON.														
otal for sorresponding week of previous year er mile of railway correspond-	p+++11	4-11		,		41".			hehldb	III es		Paris.		Ild
ing period of previous year	*11114	1 4	4.	1/4		•				14148				dha
previous year	#B\$194			H 417						10.00				425.00

#### FINANCIAL YEAR

Approximate Statement of gross receipts of the Assam-Behar State Railway.

ESCHIPTS FOR WHEN IS		Recurr	TS FOR WERE IT JANUARY 18	ending 88,	A	L RICEIPTS FRI PRIL 1886 TO 22 JANUARY 1887,	2010		L BECKIPTS FRO APRIL 1987 TO ST JANUARY 198	<b>18</b> ,	Total increase	Total decrease
Mean, milesge scened, Bessipts,		Mean mileage worked.	Receipts.	Per mile worzed.	Mean nukage worken	Total monipts.		Mean mileage worked.	Potal receipts.	Per mila worned per week,	in redide.	in 1887-88.
Manage Paymer	No.	30	Re. 5,945	Ra. 58	W45 ja	Ra,	B1,	39	ika. 94,504°	Ra. 58	Ra. 94,804	Moses
The second second second												

<sup>\*</sup> Andited up to week ending 3rd December 1687.

#### KASTERN BENGAL STATE BAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ABBAM-BRHAR SECTIONS).

Approximate Return of Traffic for week ended 21st January 1888, on 846 miles upon.

	Coacuin  Number of passengers.	Couch toceip	ing:	MERCHAN Weight curried.		Recorp		- man	Other ear (estimat includa Steam be	ed), uat	Tetal exepian		Tuappic	Merchan-	Rs RDN.
		Ru.	1. P.	Mns.	'n,	Rs.	A.	P.	B <sub>0</sub> .	A. P.	Ru,	L, P,			
Foil traffo for the week Or per mile at railway For pravious 2 week of half-	116,519 181	01,664 000	0 0	4,78,589 734		1,01,697 158			12,702 8	0 B	1,79,865 ( 261 )		21,432	20,187	61,800
Yest	281,749	1,20,434	0 0	9,68,344	0	2,14,504	0	0	23,700	0 D	3,01,129 (	0 9	40,689	43,904	81,478
Total for 3 weeks	845,1988	1,85,109	0 0	14,80,943	1	3,19,801	0	0	a0,402	4) ()	5,10,895 (	) II	64,102	G1,182	128,285
Comparisor.												i		i	
Total for corresponding week of provious year Per mile of milway correspond-	115,835	44,576				62,459		- 1	15,634	_	1,87,109 (	- ()	14,846	17,908	87,841
ing period of pravious year	191	103	0 0	741	0	136	q	0	3 (	0 0.	242 (	0	44 -84	154***	*****
provious year	800,038	1,76,740	0 	12,84,845	0	2,43,509	0	0	81,950	0 0	4,52,289 (	I Ü	Ca, 870	49,407	110.277

<sup>\*</sup> Exclusive of Steam-boat carnings.

#### FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

Moins Admi	Beceipts,	1 Per	d ean	TS FOR WEEK IN JANUARY IS Receipts.	Per	22x Menzi milence	RECRIPTS PROJECT IN A TRIE 1886 TO DIANTARY 1885	Per mile worked	Mean mileage	L RECEIPTS FRO APRIL 1837 TO OT JANUARY 1835 Total receipts.		Total increase its 1887-se.	Point decrease to 1987-08.
worked		Whited.	WOTACIS.		worked.	WOLFOU.		week,	Worked		per week,		
	Ra.	Re.		Ra,	Ra.		Re.	Rs.		Ra,	Ra.	₩a.	
808	1,57,109	229	615	1,79,260	278	604	47,67,350	268	812	78,12,500*	28N	19,55,531	44=41
		7							·	· !	1		

<sup>\*</sup> Audited up to 3rd December 1887.

#### BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 21st Junuary 1888, on 125 miles open.

	Coacmin	g TBapet	C.	Менспан	latar Lata	BARD ME OFFIC.	rema1	Other	ene	nžinas	Tolal ea	Plain an	TRAFF	c Trlin-ri	Leader,
	Number of passezigner.	Conch		Weight carried.		Rece	ipte.	(ent.)	mate 	ed).	10/10/05	e a carolific	Coaching.	Merchan- dine.	Total,
:		Ks.	A. P.	M Dal.	ø.	Ro.	A: P:	R	l, 4	L P.	Ra.	A. \$			
fresh traffic for the work	29,411 183	8,550 63	6 0	27,601 300		3,799 31		1	40	0 0	12,39e 99	# 0 0 t		1,709	5,814
For previous 5 weeks of half-	44,500	14,916	UQ	75,945	0	7,377	0 0	1	10 (	0 0	22,413	0 0	7,000	-8,410	26,681
Total for 3 weeks	64,511	22,426	0 q	1,13,449	0	11,147	0 0	<u>"</u>	90 0	1 0	34,789	0 0	10,508	6,197	15,630
Comparisos.											1				
Total for corresponding week of previous year. Per mile of raniway correspond-	21,728	8,345	0 0	21,503		1,480	8 40	,	n (	0	9,816	0 0	8,745	1,465	3,510
ing period of previous year Total to corresponding date of	176	-187	0 -0	31			4 4		1 4	) ID	79	0 0	444 ====		*,,
bledjore har	74,357	24,000	D ()	80,736	0	4,316	0 0	E	17 4	0 0	26,817	0 0	11,747	4,405	30,400

#### FINANCIAL YEAR.

Approximate Statement of grove receipts of the Bengal Central Mailing.

Receipt 22s u	6 POR WERE I	HKDIRG G.		TI FOR WEEK T		1	L RACEIPTS PHO APARL 1884 TO ID JANUARY 1	x 187		BECRIFTS PRO APRIL: 1887 TO T JANUART 186	B.,	Total	Spinal
Mean marked	Receipte.		Rean testlesore worked.	Becaipts.	. Per mile worked.	Mean mileage worked.	Total receipts.	worked! por week.	Mona milbage worked	Total receipts.	Per mile worked per week.	Microsco (n	-1600 dd.
	Ka.	ii.		Ra,	Be,		Be	Rec		Rs.	Re. 101	<u> 324,</u>	
123	9,815	70	L26	12,760	99	128	4,67,617	87	195	6.25,4m²		90,460	

Andited up to week sading hed December 1987.

#### DACCA STATE RAILWAY

Approximate Return of Traffic for week ended 21st January 1888 on 86 miles open

	COACRES	Traffi	 C		Paric Bu yan Hipmeyi	Other cerunes (cutimated)	I talestongs	Inapple	Prats-with	 18 RUS
	Number of passangers	น์เองคน์) นูเองคน์)		Wright carrie	d Bei ibn	(**************************************		Cachine	Merchan dine	3etai
		Ra	A P	MD9 :	RH A P	Rs A 2	Is a p			
Total traffic for the week Or per male of railway For previous 2 weeks of half-	15 634 389	6 H2*	0 0	10 306			7 Po 1 1 8 B 1	2 001	964	3,964
Lat. Marining & Accide on man.	27 748	10 42)	0_0	37 BB i	0 11-0 0 0	90 0 1	14 31 / 8 0	193	1,365	A,02\$
Total for 3 weeks	41 416	TQ 08P	0 0	49.50	0 F8*0 0 C	15) 0 #	22 201 0 0	4 38 %	2 729	8,800
GOMPARINGS Total for correspondent week of previous year Per mile of reliway correspond	12 698	6,7.38	0 0	11 1+2	0 2000	626 0 0	876 b o	e ) iš	882	5,010
ing period of previous year	148	71	# D	113	0 23 0 1	700	102 0 0			M# #
bles rous ken.	38,487	16 459	0 0	36 3 (0	0 4433 0 1	713 0 0	15 673 0 0	f (0)	2 194	1 409

#### FINANCIAL YEAR.

Approximate Statement of grove receipts of the Dacca State Railway

-												-	
Racate the	TO POR WEEK D JANUARY R	RNDLAG	Receir 216	te por week : 1 Januari 18	1 א1 וא נו 88		RECEUTS END AIRTH INNS 13 NO JANUARY 18			L HECRIPTH PRO APRIC 1897 IC ST JANGARY 28			
Mora Wiloges Nota	Receipts	Per	Hean miles-e worked	Bereipts	io un wukid	— Mean	Total receipts	Pr Bl Willed P W K	Mean	Total receipts	Per mile works	T tal Pactons to 1867 85	Total decrease in 1887 88
_		81		Ra	Pu		Re	lt.		Ea	Ra	ba .	_
	8,764	102	88	7 155	86	86	9 15 3 6	=	36	3 47,800°	60	<b>32</b> 500	ने तम
		1			1	1	1	1	1			-=	

<sup>\*</sup> Au life il up to week endist, 3rd. December 1887

#### NAUHATI STATE RAILWAY

Approximate Return of Iraffic for the week ending 28th hinnery 1888, on 274 miles open.

-					-	_				
	( одения	O IBATEI	C		канр Мінвцаі эріс			TBAPFI	TRAINMELL	O BUR
	Numb rof	Concluma poor (pra		No wht	Becomita.	Other dummas (catin stad)	Total estritura	( oaching	Merrann- dine	Just
		Rs	A P	a set	Be A P	Re & P	Rs a r			
Total traffic for the week Or per intle of ratio as For previous 3 weeks of half	3,984 14	1 190	# B 11 O	11HEN 6	4 -4		# 14 F O D 7K 14 U	rg)	254	763
Lant.	R 1°7	2 894	i O	64 649 6	2 880 a a	f1 0 f3	6.876 Q (I	1	14	S SRY
lotel for 4 wells	11, 61	4 184	11 ()	76,6 3 0	7 777 II 0	(100	6 24 ( 0		1 311 1	\$ 551}
COMPARISON									i	
Total for corresponding wie? If previous year Per wille of railway correspond	3 350)	1,278	4 3	11,929 (	086 7 0	1460	1940 3 3	fa	1091	8174
total to corresponding date at	110	46	<b>15</b> 0	438 (	95 4 8	0 10 0	72 11 0			
SUBSTICUTE AND	13 07 1	124	6 0	63,490 (	3,257 11 6	1.00 15 (	7 823 14 6	238	1,800	2,417
	' -		_	<u></u>	-'		· '			

#### FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nathali State Railway

									_				
	n trantka in Le dou musk		RECEIPTS FOR WESE REDING			TOTAL RECEIPTS SHOW 167 APRIL 1896 TO 291U JANUARY 1887			Total receipts reom lar April 1887 to 2818 January 1888			Telal	Total
Mosn milones worked	Receipts.	Per mile worked	Meso milente mores	Receipte	Per mile worked	Mean mileage worked	Total receipts		Mean mileace worked	Total receipts	Per male worked per week	771 By Mr. (2) 1567 83	1887-88
275	Za.,	Be.	871	Re. 9,149	79	274	Re 70,015	ita 60	271	£a 76 115	£,	Es.	•
	1/200	19	34.6	2,14		"	10,912			1			

#### A TIBHOOT SINTE BAILWAY.

#### Approximate Return of Traffic for the week ending 28th January 1888, at 259 miles open.

	Соленти	g Trapyi	c.		AND MINERAL PRIC.	Other carpings	Total	TRAPPIC TRAFF-MILES BUS.		
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		Ku.	 ▲. P.	Mds. s.	Ka, a, 2.	Ra. 4. 7.	Ra. s. p.			
Total traffic for the week on 250 miles open Or per mile of rail way For previous weeks of half-	85,678 907	(a)93,326 9a	0 0 1 0	1,90,533 0 770 0	20,292 0 (I 78 6 0	4,449 0 0 8 4 0	49,000 0 0 171 11 0*	7,700	0,658	16,467
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COMPARISON.								~		
Total for corresponding week of previous year on 246 miles open. For mile of milway correspond-	31,766	13,680	5 ei	1,39,400 10	15,429 6 0	2,511 }} #	20,550 7 2	6,187	4,125	v,nds
ing Week of previous year total to corresponding data of	141	55	\$ 0	667 0	5t D 0	1 1 0	1107.74 m*	144-4-	4444	194 14.
previous year ,,,	136,200	53,911	11 8	6,64,482,20	60,002 B H	12,305 12 8	1,26,031 0 16	21,873	19,003	41,776

Storm load overlings excluded in calculating "Total orange per mile of Radway."
 Increase is due to radius precentors for "Mighis Puracounshi mets."

#### PINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhout State Itailway.

	POR WREE IS JANUARY IS Beosipte.	Per nule	25	ets por week fo January Receipts.	Per	A: Moun malenge	L RECEIPTS FR. 1806 TO 2  JANUARY 1887	Prisi Per mile worked per	Mean		egil C Fee worked Dier	Total Immedia-co 1857-88.	Potn: derrense : 11 1867-55.
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Receipts from 1st From 1st to 22nd			- 64	***	*4 #	***	15,946 13,272
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Receipts per mile Corresponding we	open, wee eek lest ye	ek onding 21 ar	st Januar	y 185 <b>8</b>	171	P=0	124 1 11 96 H 5
Increase		***	111	=0.1	refe	101	27 9 6



### SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, FEBRUARY 15, 1888.

#### OFFICIAL PAPERS.

Non-Subscribers to the Gazette may receive the Supplement separately on payment of See Rupees per unnum if delevered in Calcutta, or Twelve Rupees of sent by Post.

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Abstract of the Proceedings of the Council of the Lieutenant-Governor of Bengal, assembled for the purpose of making Laws and Regulations under the provisions of the Act of Parliament 24 and 25 Vic., Cap. 67.

The Council met at the Council Chamber on Saturday, the 4th February, 1884, at 2-30 P.M.

#### Present :

The Hon. Sik Struart Colvin Bayley, R.C.S.I., C.I.E., Lieutenant-Governor of Bengal, presiding.

The Hon. G. C. Paul, C.I.E., Advocate-General of Bengal.

The Hon. H. J. REYNOLDS, C.S.I.

The Hon. C. P. L. MACAULAY, C.I.E.

The Hon. T. T. ALLEN.

The Hon. SIR HENRY HARRISON, KT.

The How. Sir Alfred Croft, R.C.I.E.

The Hon. Moulvie Abdul Jubbar.

The Hon. G. IRVING.

The Hon, BABU KALI NATE MITTER.

The Hon. Dr. Mohendralal Sircar, C.I.E.

The Hon. C. H. MOORE.

The HOR. DR. GOORGO DAS BANERJEE.

#### CALCUTTA AND SUBURRAN MUNICIPALITIES AMALGA-MATION BILL.

THE HON. SIR HENRY HARRISON moved that the clauses of Chapter II, Part I, of the Bill to consolidate and amend the law relating to the municipal affairs of the Town and Submbs of Calcutta be further considered for settlement in the form recommended by the Select Committee.

The motion was put to the vote and carried.

His Honour till. President said—On Saturday last we left off at the end of the speech of the Hon. Babu Kali Nath Mitter on the proposal that the number of the Commissioners be increased to 80. The first motion in to-day's list of business is that of the Hon. Dr. Mohendralal Sircar with reference to the boundaries. I have been in communication with the hon. gentleman, and he has informed me that he is willing to withdraw that motion. I am much obliged to him for having done so, as it will be inconvenient to discuss that question now, and he will have the opportunity at future stage of the Bill to propose any alteration he desires in the boundaries. Besides the amendment now before the Council, there are other amendments on section 4 in the name of the Hon. Mr. Irving and the Hon. Moulvie Abdul Jubbar. I will call up in the Hon. Mr. Irving to move the amendment No. (2) which stands in his name.

The Hon. Mr. IRVING said:—In moving the amendments on sections 4, 7, and 8 which stand in my name, I will briefly refer to them in their order.

The object of the amendment on section 4 is to reduce the number of Commissioners from 75 to 60. It is generally felt, I believe, that a Muricipal Commission of 75 members is much too large to be effective and manageable, and that me smaller and more compact body would be better for all practical purposes. The Commissioner of this division, in his letter of the 2nd instart, remarks on sections 7 and 8: "I think the number of Commissioners may very well be reduced from 75 to 40. The object of a Municipal Corporation is work, not debate; and I think that 40 members will make i more practical working body than 75" In large towns in England smaller number of representatives than that proposed for Calcutta is the rule. Liverpool has one to every 10,000, Manchester one to every 11,500, and Glasgow one to every 15,500 of the population; while in Bombay, taking the population at 800,000, they have one to every 11.111; whereas, taking the population of Calcutta at 582,000, 60 Commissioners would give one Commissioner for every 9,700 of the inhabitants. The proposed reduction in the number of Commissioners would tend in some measure to limit the long and fruitless discussions for which fault has been frequently, and I think justly, found with the present Commissioners, and would therefore economize time, accelerate business, and enable busy men to take a fair share in the government of the city.

Similarly, in moving that the words '60 and 20' in section 7 be substituted for '75 and 15,' I beg very briefly to state that the arguments and position as regards substituting '60 for 75' are the same as those urged in respect to section 4. The proposal to give the Government 20 instead of 15 appointments, or one-third as is now done, is one which commends itself to the European community generally, and insamuch as it would enable Government to redress more effectually the inequalities of representation among the

various classes, it is a very desirable provision.

Sir Henry Harrison, in his able note on the constitution of the future Metropolitan Corporation, is very decided in his view as to the necessity of retaining in the hands of Government the power of nominating one-third of the Commissioners, in order to enable it to adjust representation between the various classes. The additional special constituencies referred to in section 8 would only give the European and Eurasian communities that assurance of getting their own representatives returned to which they are fully entitled. The Mahomedan population is also seriously under-represented, and the Government nominations, if adequate, would do much to remove this cause of complaint. It is undoubtedly a great injustice, in a community like that of Calcutta, that any one race or class should practically rule all the others, and

neither the Europeans nor the Mahomedans are satisfied with the present arrangement.

Europeans in India should remember that superior numbers do not constitute a dominant race, and that mere weight of numbers ought not to entitle one class to override all others. This is strongly urged by the European community which I represent, feeling as they do that they are now shut out from their fair share in the control of City affairs. Instead, therefore, of increasing the number to be elected by the general community, and thus enlarging the power already held by the practically governing race, it is on every ground desirable that Government should have, as hitherto, the nomination of at least one-third of the Commissioners, and that in addition to the teat Commissioners to be elected by special constituencies. This arrangement would go far towards securing a fair balance of representation, and would give

satisfaction to the most intelligent classes of the community.

Then in section 8, I propose that the word '30' be substituted for '50.' In placing this before the Council, I must refer to section 15, where it is proposed that there should be 25 wards in the enlarged town, in place of which I have proposed 15 wards, and my present proposal, if accepted, would give two Commissioners to each ward. As, however, the hon, member in charge of the Bill is, I understand, in favour of still fewer wards, if any change is to be made, I would readily accept any modification, say ten wards with three Commissioners to each. But that after all is a detail, and does not affect the main question of the number of elected Commissioners. I have already asked for a reduction in the total number of Commissioners, and this carries out further that idea. In Calcutta, where the natives, as pointed out by Sir Henry Harrison, are to the Europeans and Eurasians as 16 to 1, it is a certainty that the great majority of elected Commissioners will belong to the more manerous class. In the report of the amalgamation Committee at page 9, the following statement occurs: "Taking two important classes, the commercial class and the Mahomedan population, no one can fail to be struck with the very small proportion of the elected Commissioners which these return."

Without some such safeguards as are proposed, the European, Mahomedan, and other interests will be overborne to a degree which I think would be prejudicial to the interest of the whole city. Therefore, if 30 Commissioners are elected in the ordinary way, that will amply provide for the great Hindu section of the community, and will give them their fair proportion of members in the Corporation, and their proper and legitimate influence therein. More than this should not be granted, for any further concession would only be

to the prejudice of the other important sections of the community.

The Hon. Sir Henry Harrison said:—I understand that we are now discussing the two questions of the number of the Commissioners, and what proportion of them should be elected by the several wards or local areas. The further question as to whether that proportion of members which is not to be elected by wards, which at present stands at one-third, should be divided as provided in the Bill into lumembers to the Government, and 10 to selected constituencies, or whether they should be appointed in any other way, is a question which will stand over for a subsequent amendment. That being the case, we find that the proposal we are now discussing of having 75 Commissioners, of whom two-thirds should be elected and one-third be nominated in some form or other, is the one which has attracted perhaps more attention than any other part of the Bill, judging by the representations which have been received on the subject by the Council; and seeing the very large measure of attention which this question has attracted—it being no exaggeration to say that it forms the subject of one-half of all the reports which have been received from various bodies-it can hardly be considered unreasonable if we devote considerable attention to this matter. It is looked upon as the cardinal hinge of the proposed Bill. This proposal has been made the subject of criticism in two directions. The British Indian Association, the Indian Association, and some other bodies, urgently press that at least three-fourths of the Commissioners ought to be elected. On the other hand, most of the European Associations press with equal urgency that the propor tion of nominated Commissioners should be increased rather than decreased.

The Hon. Babu Kali Nath Mitter has been the exponent of one set of opinions; the Hon. Mr. Irving of the other. I shall devote my attention, first, to the Hon. Bebu Kali Nath Mitter's amendment as regards the total number of Commissioners. The Hon. Mr. Irving was perfectly right in saying that in most places the number was not so large as 75; 64 was wery usual number. In France the normal number was 36, which was in some places enlarged owing to local circumstances. At the same time I attach very little importance to this point. I do not believe there will be any practical difficulty in working, whether the number of Commissioners be 75, or 60, or 80, because we know that the time taken up by discussion does not depend on the total number of Commissioners present, but upon those Commissioners who wish to speak: and in a Corporation of even 40 members, the leading Commissioners would, for the most part, be returned, and these would take an active part in the discussion as at present. I do not think that in this respect there would be any great difference in a body of 40 members, and a Corporation of 80 Commissioners, of whom 15 or 16 would, as a rule, take part in the discussions. Practically, therefore, I attach little importance to the number of the Corporation. We only revise the work of the Committees in general meetings of

the whole body of Commissioners.

Next as regards the division of numbers between the different electoral bodies. On this point the main argument of my hon, friend seems to be this: that the elective system was introduced twelve years ago against the strong opposition of Sir Stuart Hogg, and against the opposition of a great portion of the European community, and yet it has proved a success; and if it has proved a success, why not extend that principle? Is it not fair after twelve years of success to extend it? But the argument is not stated in way to entitle it to any logical value. Suppose for the sake of argument that the elective system has proved a success, regarding which opinions are undoubtedly divided, what follows would be this—that a Corporation composed of two-thirds elected Commissioners and one-third nominated Commissioners had done its work fairly well. From this the inference might just as logically be that we should increase the proportion of nominated Commissioners as that we should increase the proportion of elected Commissioners. The real argument derived from the admission of success is, leave well alone. But the hon. member no doubt means more than that. He means that the elective element in the constitution of the Corporation has proved successful, and that therefore the elective principle in it should be expanded. On this point my own belief is that most persons will form their judgment of success or failure according to the preconceived inclinations with which they regard it. Those who do not wish it well will think it has not been successful, and those who were predisposed in its favour will lead themselves to believe in its success. But I am hopeful that this difference of opinion will in great measure disappear if we doal with the question in a specific way. I admit that from some points of view it should be considered a success. In the first place, by the elective system we have attracted to the Corporation mumber of Commissioners who have taken the greatest possible interest in the work Commissioners who have been most assiduous in their attendance at meetings, who have looked into matters with care and scrutiny such as is hardly found in any other department. They have set their face resolutely against all extravagance, they have thrown the light of discussion on every detail. In fact it has led to the administration of the municipality being carried on much more in the light of day than it would have been as far as other members are concerned. On questions of contracts and expenditure in detail they have paid an attention to the work which was hardly paid before. In the next place the system has had the advantage of bringing in a number of men who owe their position entirely to something outside Government, not to nomination. They feel that they depend for their position on those who have returned them, and who naturally look to them to represent their views, and therefore they bring with them the light of real public opinion of a certain class—a comparatively small class ir numbers, but a very influential class indeed, and it has been a great advantage that we should have the opinion of a class of this kind pressed upon us so that we know what they want and what they object to. Thirdly, we have persons who represent local areas. This has led to many good results. Pro

viously the Town was looked upon very much as a whole, and the wants of the Town as a whole were considered. Now the desire for large improvements has decreased, and the Commissioners are more interested in local wants. This has to some extent worked well, and the large increase in the value of property is in no small degree due to the way in which local improvements have been attended to. Fourthly, the elective system has been successful in this, that people know that they have a Commissioner who represents them, and when they have a complaint, if it is not immediately attended to by the Executive, they appeal to get the assistance of their Commissioner. This has some beneficial results; it causes some degree of self-reliance in the people when they know that they have some one to whom they can go if they do not get immediate redress. The last and most important result is this. The elected Commissioners, who had taken so much interest in the affairs of the Municipality, have themselves improved much by experience in the work. I have seen very great improvement in the tone and method and manner of doing work by the Commissioners who have become familiarised with their labours. In this review I think that I have given a very fair account of the work of the elective Commissioners, but after all said is not the role which I have described precisely the rôle of opposition? We all know that administrative affairs suffer if there is no effective check; and whether we look at the official world as it exists in India, or at the Government as it is in England, worked by party, it is well-recognised fact that, if there is no adequate check, there is danger either of the work going on too fast, or there is danger of its not being as economical as it might be. The role which the elective Commissioners for the native wards have at once assumed is precisely that of checking, watching and controlling in every way, in seeing either that no expenditure is incurred without sufficient reason, or that projects of improvement are not undertaken which cannot be fully justified. They have in fact been the brake-power in the municipal train. But a train cannot progress by brake-power alone, nor can a city thrive by opposition alone. It is also necessary that you should have motive power, and this is precisely the one point in which the Corporation has been deficient. The motive power has been too weak, while the opposition power has been very strong. Were time of no importance I could prove this contention conclusively, but I hope the Council will accept my experience as a matter of testimony rather than desiderate proof. In a body like the Corporation, the Executive alone is in a position to push on the work. The Chairman therefore requires that the extremely powerful criticism and opposition which is brought to bear to his proposals should be met by an equally powerful backing up, where a sufficiently good explanation can be given of what is required to be done. Over and over again this has been wanting—the Executive Government of the Town is working with a minority, and everybody knows what a compromising position that would be. I might go through the budget year by year and show that the Chairman has to make out a very powerful case before he can get sanction for expenditure: and he is thus much handicapped in his proposals for improvement. I cannot put the case more succinctly according to my own view than to say that the motive power in the Corporation has been too weak. That being so, the question is how has it been possible to work the machine. The way in which it has been possible is mainly by the Chairman first of all using his powers of persuasion and trying to induce Committees to do what he considers necessary, a course which I must injustice say very often succeeds, or appealing to a general meeting. In general meetings of the Corporation he no doubt on the whole succeeds in carrying his point more easily than in Committees, and the reason is because in general meetings there are a larger number of Commissioners disposed to support him who do not take any part in the ordinary Committee work of the Municipality. The position of the Chairman is always stronger in general meetings than in Committees of the Corporation. The difficulties which I have described were much more insuperable in the earlier days of the Corporation. When I first joined as Chairman, I found the difficulty of doing more than just carrying on the work of the Municipality greater than it is now; and all who take an interest in municipal affairs will bear me out that there has been a conspicaous and signal improvement latterly as compared with the earlier period. To this many many have contributed. In the first place, the Commissioners have

improved by experience; secondly, the proportion of Commissioners of the nationalities which were at first weakly represented has increased. The hon, member laid before the Council the figures of four elections. He showed that whereas in 1876 the Hindus elected 41 out of 48 elective Commissioners, in 1885 they were able to return only 27 out of 48. I could not define the object with which the hon, member cited these figures. I do not know whether he regarded it as a misfortune or m good fortune to the Corporation. He showed that the checks on the majority had been acting better, but had this resulted in benefit or the reverse; if in benefit why did he wish to diminish these checks? In 1875 three checks were designedly chosen—first, there was the check of the one-third of nominated Commissioners; secondly, the check that in the European wards a larger measure of representation was conceded than in the native wards, especially in the wards in the north of the Town. Though the European wards were smaller in population than the native wards, they were given proportionally a larger number of representatives; thirdly, there was the check in all the wards of the cumulative vote which were allowed three members. It has been correctly stated that in 1882, and again in 1885. the Europeans and Mahomedans became aware of the power which they possessed under these two last-named checks, and the consequence was that 1,105 European voters returned 13 Commissioners, 1,004 Mahomedans returned 8 Mahomedans; whilst 7,827 Hindus returned only 27 members. So far, well and good. The question is, has that been advantageous or not? I say that undoubtedly it has been a great advantage, and that it was one of the factors which operated to the carrying out of more work during the last few years. Does not that prove that if the Corporation is to work well, you must not have an opposition which is too overwhelming? I welcome cordially an effective opposition, but I equally contend that, if the opposition consists of more than half of the members, then the difficulty of working is greater than it should be. It is on that ground I submit that what has really been proved is exactly the opposite of what should have been proved for the hon, member's contention. The elective system has been a success as far as that it has organized an effective opposition and check to extravagance. It has failed in so far as that opposition has been numerically too strong. At first its numbers were so large that it brought every thing to a dead lock. As it has decreased, things have progressed more fairly. Consequently, I am perfectly justified in saying that it is only owing to the fact of the one-third nominated Commissioners having furnished some counterpoise to the preponderance of the opposition that the success of the Corporation has been secured, and it is hardly too much to say that this has been the hinge on which the success of the Corporation has turned. If so, what could be more enoneous than to propose that this most important factor should be weakened-that that which required strengthening should be weakened, and that which was already too strong, should be further strengthened. On these grounds I am constrained to say that it would be very unfortunate if the Council came to the conclusion that any larger proportion of the members of the Corporation should be elected by local areas.

Passing now to the opposite point of view, it is more difficult to maintain my ground. I do think there is a great deal of force in what the Hon, Mr Irving has arged, and I believe a part of the greater success of the Bombay Corporation has been due to the greater proportion of the nominated Commissioners. In Bombay the Corporation started with only 64 members, of which one-half only were elected by local areas. When the number was increased in the present Bill from 64 to 72, still, as before, only one-half were to be elected by wards, 16 were to be nominated by the Government directly, and 20 by constituencies which, with the exception of the Chamber of Commerce, were under the control of the Government; probably in Calcutta also, had we 12 years ago proceeded a little more slowly, we should have made more decided and confimuons progress, and parties would have been better balanced. But it is a very different thing when you have a tubula rasa, and when you have a foundation already laid. In the work of legislation, gradual construction on existing foundation is the safest. We have existing lines to work upon, and unless we are prepared to say that the Corporation will not work on these lines, it is undesirable to change them. I am not prepared to say that the proposed constitution is

unworkable. Firetly, I think that there are two or three details in this Bill which will a little strengthen the party of progress if adopted, such as not allowing Ward No. 12 to lose its second member, and the plural system of voting. And then as regards the power of nomination, this gives a power which the Government has never used to the fullest extent. It has never so used the power of nomination exclusively to strengthen the motive power in the Corporation, and this ought to be tried before the fundamental proportions are changed. Even using the power of nomination as hitherto exercised, I am bound to say that if all the members nominated would attend the general meetings, there would be sufficient motive power to enable the Corporation to get along. Again, if I had any hope that the European members would take the same interest as the native members, I should be more disposed to yield to the Hon. Mr. Irving's argument, but I am afinid we must put this aside as really out of the question. I believe that to some extent they have been kept away from the meetings by finding that they are in the minority, but at the same time they have also found that it was quite impossible for them to give the same attention to the work of the municipality as those who have ample leisure, and to whom it is almost a pleasure. There are a certain number of leisured gentlemen amongst the Native Commissioners who have often come two, three or four times a week to Committee meetings to do work which is certainly not of transcendental interest, but the ordinary humdrum work of the municipality. Now is it possible to hope that we can get European gentlemen, who have their business to attend to, and to whom time is money, to attend and take part in work of this nature? If we cannot hope for that, we must fall back upon the present lines. The Chairman must as heretofore do the work with six or eight Commissioners willing to meet him two or three times a week, and carry on business with pain on a system of reasonable compromise. The Chairman has at times to give way, and the Commissioners at times give way, and provided there is an appeal to the general meeting, with fair prospects of success, the Chairman may expect to get sufficient concessions made to enable him to carry on the work of the Corporation at marching speed if not an express speed. It is my belief that, even it we were to go so far as to have a majority of Europeans in the Corporation, we should still find that in Committee meetings the majority would be Native Commissioners. For these reasons, although there is great force in the arguments used by the Hon. Mr. Irving, I think we ought to follow the old lines as laid down in the Bill, which allow two-thirds of the Commissioners to be elected by the wards; and I therefore trust the Council will, on the ful est consideration, adhere to the proposals before them in the Bill.

The Hon. Mr. Macaulay said: Though I cannot hope to contribute anything of value to the discussion at this stage I consider that as a member of the Select Committee, which has framed the section in the form in which it has been presented to the Council, I should not give a silent vote when the vital question of the constitution of the numeripality is being settled. And for myself I am glad to have the opportunity of explaining the apparent incongruity of voting against the amendment of my hon. friend Babu Kali Nath Mitter, which involves an extension of the principle of election, while I am myself primarily responsible for the clause of the section which will give that principle still larger extension. Briefly, I oppose the amondment of the Hon. Babu Kali Nath Mitter, on the ground that, although it involves the expansion of the principle of election, it involves not the expansion, but the contraction, of what is much more important—the principle of representation; I oppose the amendment of the Hon. Mr. Irving on the ground that it involves the contraction of both and I will afterwards support my own proposal on the ground that it involves the expansion of both. I venture to think that the different members have the same end in view. Their object is a common one. It is the search for a scheme under which all interests in the Town will be represented in proportion to their importance. If this object can be attained, without any violent disturbance of principle on other points, by a system which will provide for election only, and will exclude nomination, I will gladly support it. But this being impracticable, the question is, will three-fourths elected by the general body of the rate-payers, as proposed by the

Hon. Babu Kali Nath Mitter, or one-half as proposed by the Hon. Mr. Irving, be likely to attain the object in view? To take first the proposal of my friend, the Hon. Babu Kali Nath Mitter. I have read with great care the minute of dissent which my hon, friend has appended to the first report of the Select Committee, and I have listened attentively to the very able speech in which he has laid his amendment before the Council. But I cannot agree that the arguments of these who hold that the proportions proposed by my hon, friend will not secure the adequate representation of minorities has been answered. I do not think that my hon, friend Sir Henry Harrison has properly understood the object of the hon, mover of the first amendment in quoting the figures which he has submitted to the Council. I understand his object to be, not to show that the increase in the number of European Commissioners is a matter of good fortune or of evil fortune to the municipality, but to show that the strengest class do not wish to keep all representation to itself to the exclusion of other classes. But, however this may be, it is an undoubted fact that the elected portion of the Commissioners do not represent fairly all sections. It is useless to point to the gradual increase in the number of Europeans in the Corporation. The fact remains that the representation of the Hindu population, and of what I may call the non-commercial classes, largely preponderates, and I think that this preponderance should not be increased. To guard against misunderstanding, I wish to state my distinct opinion that the working of the elective system in Ctdeutta has been a decided success. I cannot agree with my hon, friend Sir Henry Harrison in thinking that, if we were beginning to legislate for an elective system, we might take the Hon. Mr. Irving's proposal for electing only one-half. I think that, looking to the experience we have had of the working of the system as a whole, we should be fully justified, were we in the position of our predecessors, the legislators of 1876, in taking the proportion of two thirds elected by the rotopayers. For this reason I will certainly oppose my friend the Hon. Mr. Irving's amendment. The elective system has brought forward men like my friend the Hon. Babu Kali Nath Mitter, men of ability and business habits, who have done excellent service to the community, and I think that all friends of Self-Government must rejoice that these men owe their positions, not to the voice of nomination, but to the suffrages of their fellow townsmen. But I submit that its no reason for putting aside the other considerations to which I have adverted. That one part of the constitution has succeeded is , no reason for stimulating it further at the expense of the rest. It is because I think that the first amendment will weaken what I consider the all-important principle of representation that I ask the Council to reject it.

The Hon. Dr. Gooroo Das Baneries said: - With the most earnest desire to make concessions to the European community to secure their co-operation in the municipal affairs of the town, I cannot support the amendment of the Hon. Mr. Irving. It has been urged that the fact of the number of Commissioners being large, causes a long time to be consumed in discussions in the Municipal Board, and that this prevents able commercial men from taking part in the administration of the affairs of the municipality. But it should be borne in mind that the duties of the Municipal Commissioners are not merely of a deliberative character sitting at meetings of the Board, but their duties should also be of an inspectional nature. A Municipal Commissioner should inspect the ward he represents, so that he may be able to ascertain its wants and requirements, and for the due discharge of duties of this class the number of Commissioners necessary to represent a ward efficiently must be a matter of consideration; and seeing that the dimensions of these wards are by no means small, I submit that one Commissioner for each ward will hardly be adequate representation. I see no force in vague, undefined speculative reasons, but I think it a most practical reason that it would not give the Commissioner sufficient time to inspect his ward efficiently. Therefore, though on the whole a larger number of Commissioners might entail greater sacrifice in time, on the other hand we have, to compensate for it, greater efficiency secured in one respect; and if the members of the European community are pleased to bear this in mind, I hope they will not grudge any additional sacrifice of time that the

number of Commissioners proposed in the Bill might entail. I may also add that if the charge on the score of loss of time is well-founded, the members of the European community taking part in the administration of the municipality may by the moral force of their opinion and example help in removing that ground of objection. For these reasons I submit that the number of the Commissioners ought not to be diminished to 60. Then as regards the proportion of nominated Commissioners, whilst fully sharing the sentiments uttered by my hon. friend, the mover of the first amendment, that so far as is consistent with other interests, the elective principle should be expanded. As I am opposed to the representative principle embodied in section 8 of the Bill, which gives the right of representation to voluntary Associations like the Chamber of Commerce and the Trades' Association, I do not think it will be fair to reduce the number of nominated Commissioners. I would leave it where it is, but oppose the right of election by voluntary Associations.

The Hon. Mr. Moore said:—I rise to support the amendment moved by the Hon. Mr. Irving. I have so recently come into direct contact with Municipal affairs that I candidly confess I have no fixed principles on the subject of municipal representation, and I can therefore only be guided by the safe and simple rules of common sense which plainly point to the advantages to be derived from reducing numbers to the smallest quantity consistent with fair representation of the interests involved. I have heard no arguments to show that the reduction of the number of Commissioners to 60 would produce inadequate representation, and the strongest argument in favour of the changes proposed in the amendment seems to me to be the statement made by the hon. member in charge of the Bill that, owing to the opposition being in a majority, the motive power in the Municipality is wanting, which seems to prove that the decrease of the one class and the increase of the other, as suggested by the Hon. Mr. Irving, would be in the best interests of the Municipality.

The Hon. Dr. Mohendralal Sircar said:—I do not understand how the motive power can be overbalanced by an effective majority. The motive power is furnished by combining the functions of the Corporation, and it is the carrying out of those functions which is entrusted to the Executive. The elective members should certainly watch how the functions of the Corporation are carried on. There we have the motive power and not in the action of the Executive. So I cannot understand how the motive power can be wanting if the elective element is strengthened. Then as to loss of time to the Commissioners, I think that economy of time is not always economy of work. Then again as to the success of the elective system that has been advanced as an argument by my hon. friend, the mover of the first amendment, I do not see how that argument has been rebutted by the hon. member in charge of the Bill. If it has been shown, and I think conclusively shown, that the elective system has proved a success, I do not see any reason why we should not have further extension. The life of the elective system depends upon a larger proportion of elected members, and if the system has already proved a success, why should not the proportion of elected members be increased? With these observations I will support the amendment of the Hon. Babu Kali Nath Mitter.

The Hon. BABU KALI NATH MITTER said: -I shall try to be as brief as possible in my reply. In the first place it is a matter of regret to me that my hon. friend, the mover of the Bill, did not understand how I wanted to make out that because the present system has proved a success, therefore it is necessary that there should be a further extension of the elective principle. I think the answer is as clear it can be. Previous to 1876 the system then in vogue was nomination. The Government thought fit to introduce the elective system, and if that has worked well, I think it is a strong argument that there should be further extension of that system after the experience of twelve years. In English towns it is one of election throughout; there is no nomination whatever, and that is not to be forgotten in dealing with this question. When the present system of election was introduced, it was thought proper to retain in the hands of Government powers which are inconsistent with English precedent. Then nobody grudged such retention of power. But now, as the system has worked well—and on behalf of myself and my colleagues of the elective

portion of the Corporation, I sincerely thank the Hon. Mr. Macaulay for the admission that, so far as his individual opinion is concerned, he considers that the elective system has proved a success-I think that a system analogous to the system which prevails in England should, as far as practicable, be established. Then again the hon. member in charge of the Bill did not understand why I put forward the results of the last two elections. How he could have misunderstood my intention, it is impossible for mo to say. It is as clear as anything can be. The point I wanted to establish is this, that the greater the interest taken by the several nationalities, the greater the number of Commissioners returned by them; that in the first election, as the Hindus took the most prominent interest, they were able to return the largest number of representatives. Then at the subsequent elections, as other constituencies took larger interest, they were able to return ■ larger number of members, and consequently the Hindus suffered, and the use which I wish to make of these facts is, that we should leave the returns to be regulated by the result of the elections. If all the constituencies in the Municipality took the interest in the elections which they ought to take, they should be able to return a due proportion of members, and then particular interests would not suffer. If the elected members of the Corporation had done all that the hon, member in charge of the Bill was pleased to say of them, I think it is only right and fair that their number should be further increased. They should not be told, you have done all this, still there is mistrust that if your number predominates, you will not do all that you have done. I do not think that is a right principle at all. It is pretty well known that the Hindus pay the largest rates in the town. I had a statement prepared of 100 of the largest rate-payers, barring the Government, and from that statement it appears that 55 out of the 100 are Hindus, and therefore it is only right that their number should predominate in the Corporation. But from the figures I gave on the last occasion, the Council will see that at the last elections the number of Hindu Commissioners was exactly the number which the Select Committee which considered the Bill of 1875 proposed, viz. 27, and it cannot therefore be said now that there is a preponderance of the Hindu element in the Cor-

Now, with reference to what has fallen from my hon, friend Mr. Irving, it seems to me that he has not in any way controverted my argument. He has not pointed out how 60 Commissioners would be sufficient to represent the different wards of the town, or how it would be adequate representation. He has fixed the number at 60, and said that there should be one Commissioner for each ward, or if there were only 10 wards, that there should be three Commissioners for each ward. But would it not be better to have only two wards, one constituting the whole of the northern portion of the town, and the other the southern portion, and have only three Hindus, three Mahomedans and three Europeans? That also would not be adequate representation, and therefore I submit that it would be a retrograde measure either to reduce the number of the wards or the number of Commissioners as proposed by my hon, friend. I myself attach great importance to the number of the Commissioners being increased to 80. As seven additional wards are to be added to the town, it would, in my opinion, be a mistake simply to add three to the present number of the Commissioners.

The Hon. Babu Kali Nath Mitter's motion, that in lines 3 and 10 respectively of section 4, the word 'eighty' be substituted for 'seventy-five,'

being put, the Council divided :-

#### Ayes 4.

The Hon. Dr Mohendralal Sirear. The Hon. Babu Kali Nath Mitter. The Hon. H. J. Reynolds. The Hon. the Advenate-General.

#### Noes 9.

The Hon. Dr., Gooroo Das Banerjee.
The Hon. C. H. Moore,
The Hon. G. Irving.
The Hon. Moulvie Abdul Jubbar.
The Hon. Sir Alfred Croft.
The Hon. Sir Henry Harrison.
The Hon. T. T. Allen.
The Hon. C. P. L. Macanlay.
His Honour the President.

So the motion was negatived.

#### The HON. BABU KALI NATH MITTER'S motions:-

That in line 1 of section 7 the word 'eighty' be substituted for 'seventy,' and that the word 'twenty' be substituted for 'fifteen'.

That in line 1 of section 8 the words 'of' and 'fifty,' respectively, be omitted; and that the word 'sixty' be inserted after the word 'remaining,'

were put to the vote and negatived.

#### The Hon. Mr. Irving's motions that: —

That in lines 3 and 10, respectively, of section 4, for the word "seventy-five" the word "sixty" be substituted.

That in line 1 of section 7, for the word "seventy-five" the word "sixty" be substituted, and that the word "twenty" be substituted for "fifteen."

That in line I of section 8, for the word ' fifty" the word "thirty" be substituted,

being put, the Council divided :-

#### Ayes 3

The Hon C. II Moore The Hon. G. Irving The Hon. T. T Allen.

#### Nocs 10

The Ron. Dr. Gooroo Das Banerjee. The Hon. Dr. Mohendralal Sirear. The Hon, Babu Kali Nath Mitter. The Hon. Moulvie Abdul Jubbar. The Hon. Sir Alfred Croft. The Hon. Sir Henry Harrison. The Hon. C P. L Macaulay. The Hon. H. J. Reynolds. The Hon the Advocate-General. His Honour the President.

So the motion was negatived.

The Hon. Moulvie Abdul Jubbar moved that in line 1 of section 7, for the word "fifteen" the word "twenty-five" be substituted. Also that the last paragraph of section 8, beginning with the words "and ten shall be elected" till the end of the section, be omitted. He said:--In bringing forward the motion which stands in my name, I would, with Your Honour's permission, take up together the two amendments which I propose. They are so closely connected that I think they need not be dealt with separately. Sections 7 and 8 of the Bill now before the Council have in view a change in the constitution of the Municipal Corporation of the Town of Calcutta. At present two-thirds of the members of that corporate body are elected by the rate-payers and oncthird appointed by the Government; but the Bill proposes to limit the power of nomination by Government to one-fifth of the number of Commissioners. The existing system, as it is, is by no means favourable to the interests of the Mahomedan residents of this City and the Sabarbs, and the change which is now intended to be introduced will make them the greatest sufferers. The Mahomedans constitute 28 per cent. of the population of Calcutta and 38 per cent. of that of the Suburbs, but in Calcutta we have only 12 Mahomedan Commissioners and in the Suburbs 2. These figures, as they stand, do not at all show a fair proportion; and if Government had not exercised its power of nomination in favour of the Mahomedans, the number of Mahomedan Commissioners would have dwindled to almost nothing. It may plausibly be said that as the Mahomedans do not come forward and exert themselves for election, they are themselves to blame for this state of things; but, Sir, no man with a sense of self-respect would offer himself as a candidate when he has very little chance of success. The Mahomedans are the most conservative people under the sun, and often demur to receive innovations of any kind Their confidence in Government is unshaken. They continue to believe that all public interests are safe in the hands of the Government, and they have not, as far as I know, ever asked for the privilege of managing public affairs. Government has introduced representative municipality in this country, and it believes Government to see that the interests of the different nationalities are adequately represented on the Municipal Boards. India is neither England nor France, where the Government has to legislate for, and to attend to the interests of, one and the same nation. The Indian Empire comprehends many nationalities, notably the Hindus and the Mahomedans, and the Government cannot rightly allow an undue preponderance of one race over the other in representative institutions. Representative municipality is an exotic plant in India, and it can only flourish under the fostering care of Government. Representative

municipality will not be a blessing to all unless all interests are adequately represented, and, under the circumstances of the country, Government ought to reserve in its hands ample means of removing inequalities. The masses of the people have no idea of representative institutions, and for anything that may go wrong in the management of the affairs of the Municipality, they will speak in dispraise of Government. So for the sake of its good name, if not for anything else, Government should continue to select a considerable proportion of the Commissioners. The framers of the Act of 1876 fixed the proportions of elected and nominated Commissioners after careful deliberation, and I see

no cogent reasons for upsetting their decision.

Now, Sir, while on behalt of the Mahomedans I am anxious that the proportion of nominated members should not be reduced, neither I nor they mean that such influential bodies as the Bengal Chamber of Commerce and the Calcutta Trades' Association should not obtain an adequate representation in the Calcutta Municipality. Calcutta owes its position among the great cities of the world to the capital and industry of its European community, and I shall not be so indifferent to its future welfare as not to desire the appointment of the members of that community to its Municipal Board, but what I object to is the policy of granting to self-constituted Associations the statutory right of election in municipalities. If such a policy is once adopted by the Legislature, it would give rise to numberless claims which Government would find it difficult to disallow. In these days when we are deluged with Associations, Unions and Societies bearing high-sounding names, it might be imagined to what end the policy embodied in the Bill would lead. I am afraid the result will be that, while Associations will monopolise the municipal franchise, the majority of the poor tax-payers will go unrepresented. Some of the hon, members of this Council might remember that when the Port Trust Amendment Bill was before it, an Association by the name of the Bengal National Chamber of Commerce came into existence and claimed the same right of election as had been granted to the Bengal Chamber of Commerce. It is not, Sir, that my co-religionists, whom I have the honour to represent in this Council, apprehend any harm to them from the influence of the European element in the Corporation, but they oppose on principle the recognition by law of voluntary Societies, the number of which is subject to fluctuation. There could be no just or reasonable ground for complaint should Government appoint as many European gentlemen as would secure a proper balance of power in the Corporation, but I am sure many Associations would grumble should some of them be singled out for the concession which the Bill contemplates to make. I will now conclude by reading a passage in the letter addressed by the oldest Mahomedan Association in Calcutta, the Mahomedan Laterary Society, and a short paragraph from the letter from the younger Association, the National Mahomedan Association. The senior of them, the Mahomedan Literary Society, said:—"The Committee are of opinion that the number of Commissioners to be appointed by Government under section 7, namely 15, is inadequate. Under the Act of 1876, Government has the power of appointing 24 Commissioners, and it is well known that this power has been exercised from time to time most judiciously by appointing members has been exercised from time to time most judiciously by appointing members of the different communities in order to ensure a proper representation of their interests in the Corporation. The desirability of enabling members of the Mahomedan community to take part in the municipal affairs of the town has always been recognized. Whenever the Mahomedan element has been found to be insufficient on the Corporation, the balance has been in some measure restored by the appointment of Mahomedan Commissioners by Government. The practical effect of now reducing the number from 24 to 15, the Committee apprehend, would be to fetter the hands of Government in respect to the appointment of an adequate number of Mahomedans. The Committee therefore beg to suggest the substitution of the word 'twenty-five' for the word 'fifteen' in section 7." The younger Association, the Central National Mahomedan Association, said:—"The Committee also thinks it will be expedient to reserve a larger number of nominations in the hands of the Local Government."

The Hon. Dr. Goorgo Das Banerjer said:—I will support the amendment which has just been moved on very nearly the same grounds on which

the hon, mover of the amendment has based it, and for one or two additional reasons. I will first take up the latter of the two amendments, namely, that the last paragraph of section 8 be omitted. That clause provides that ten Commissioners shall be elected in accordance with rules to be framed by the Lieutenant-Governor—four by the Chamber of Commerce, four by the Trades' Association, and two by the Port Commissioners. This I consider to be objectionable as well as unnecessary. It is objectionable in the first place, because it recognises by Statute voluntary Associations regarding the constitution of which there is no certain stability. Any one of these Associations may represent to-day the entire community which it professes to represent, but next year it may cease to represent that same class adequately. Secondly, it is objectionable because the recognition of three out of a large number of similar Associations would make an invidious distinction which may give rise to discontent. Thirdly, these Associations, which after all are Associations of individual members, have the right of voting through the individual members of which they consist. Therefore already the commercial interests are represented through the votes which these individual members have. And if in addition we give the right of representation to these very individuals taken collectively, we will be giving the right twice over to the same individuals. And then I submit that, that with the former of the two amendments this provision of section 8 is wholly After all it appears that the total number of nominated Comunnecessary missioners and the representatives of certain bodies comprises one-third of the whole number, that is 25, and I fail to see what difference it will make whether the whole of that number, 25, is left to be nominated by the Government; or whether 10 of them are elected by certain specifically named bodies, and the remaining 15 only by the Government. No objection has hitherto been raised as to the exercise of discretion by the Government as far as the commercial interest is concerned. As long as no such objection is raised, I submit it will be better far to let the whole number be nominated by the Government than to reduce the number to be appointed by Government to 15, and to leave these particular Associations to elect 10. It is quite possible that in the general elections the commercial interest may be adequately represented. In that case it will certainly be unfair that the commercial classes should have the still further privilege of electing the 10 members mentioned in the last paragraph of section 8 to the prejudice of other minorities which have an equally fair claim to representation. It would be better, in order to meet all possible contingencies, to leave the nomination of the whole number to the Government, so that the Government might be in a position to supplement the representation of the commercial interest if necessary, or to give a large proportion of the 25 nominations to other minorities, such as the Mahomedan community as occasion might require. I submit that no class of interests will suffer by allowing the whole number 25, to be nominated by Government, whereas there is every probability of other interests suffering if the Government nominations are reduced to 15, and these voluntary Associations are allowed the right of electing 10 representatives.

The Hon. Sir Alfred Croft said :- I had very much graver doubts, when I entered the Council to-day, as to the wisdom and the desirability of introducing this clause empowering certain Associations to elect members of their own body,—much graver doubts than I have now, since I have had the advantage of hearing the speech of my hon. friend, the Chairman of the Corporation, and the reasons which he has advanced as to the necessity of strengthening the party of progress in the Municipality. The result of giving to the Chamber of Commerce, the Trades' Association, and the l'ort Commissioners the right of electing 10 members will, I am convinced, be to strengthen that party which Sir Henry Harrison says so much stands in need of strengthening. The possible consequences to the Mahomedan community of reducing the number of nominations that remain in the hands of the Government have been dwelt upon in a very serious way by my hon. friend, Moulvie Abdul Jubbar. Still I understand that in distributing its nominations, whether they he 15 or whether they be 25, the Government habitually exercises its power with reference to the comparative strength of parties as determined by the result of the preceding elections, and with the object of redressing any inequalities that may have arisen. If therefore the European element in the Municipality has been strengthened by the addition of 10 members elected by these bodies, the Government would be justified in appointing additional members from any other section of the community which, in consequence of that fact, might stand in need of strengthening. But there is another point to consider. I am not inclined to attack any great importance to the distinction of Europeans as such, or of Mahomedans and Hindus as such. Distinctions of this kind do not seem to me to be relevant to the constitution of the Municipality. We have been told that there are two elements in the Municipality,—the party of progress, constituting a motive power, and the conservative party or party of criticism; and that on the just balance of these two parties the success and strength of the Municipality depend. It is probably by considerations of this kind that the Government would be guided in making its appointments; and if so, the question of Mahomedan, or Hindu, or European would not arise at all in that form. Another difficulty has been raised on the ground that these bodies are self-constituted Associations. It has been stated that the giving of the right of election to these Associations will create difficulties hereafter, in dealing with the claims of other Associations of a similar character. But there is one consideration which will bring these difficulties within very narrow lin its, namely, that of the qualifications on which the right should be based. It seems to me that the only qualifications that can be recognised are the owning or occupation of property, or the paying of taxes, or the having in some other way a close pecuniary interest in the good government of the town, in the application of the Municipal Fund to the best purposes, and in the promotion of trade and commerce. If you put it in that way you at once get rid of a large number of Associations which are not connected with the objects I have named, as for instance literary Associations generally. It is true that the three Associations named in the Bill have no statutory character; but as a matter of common notoriety they have so defined and permanent a character that we can well recognise their existence. And with regard to the other contention that the votes will be given twice over, because the members of the Chamber of Commerce and of the Trades' Association have the right to vote in their individual capacities and collectively in the Associations of which they are members, I consider that the two qualifications differ materially. As occupiers of houses and as payers of taxes they have a right to their individual votes; as a body associated for a very definite object, namely, the promotion of trade or commerce, they are entitled to representation on very different grounds. It seems to me, therefore, that the contention against double voting falls to the ground.

The Hon. Sir Hinry Harrison said:—Although this is not a question to which I attach very great importance or look upon as vital to the Bill, still as I am disposed to concur with the amendment, the Council will probably like to hear my reasons. I assume that, though in charge of the Bill, I am at liberty, if I think any proposal in it mistaken, in supporting an amendment which proposes to alter it. Whether my reasons are sufficient or not, I must leave the Council to judge. I think it but fair to recognise the fact that the system of nomination by Government is the system in possession. All the arguments for not disturbing the proportion of two-thirds, or for building so much on the present foundation, apply here to leaving the nomination as heretofere in the hands of Government. Secondly, it is an advantage to leave the hands of Government free. The object of leaving to the Government the nomination of one-third of the Commissioners is admitted on all sides to be mainly to secure better representation, that the Government may reduce inequalities as far as they are produced by the elections. In this case the Government would have greater power of doing so if all the nominations were left in their hands than if 10 nominations were taken away. On the other hand, I most distinctly say that if the representatives of these bodies can be induced to work, they are just the persons As far as the Port Commissioners are concerned, they are entitled to have their own representatives on the Corporation if only by reason of the large amount of rates they pay. As far as the Chamber of Commerce is concerned, the endeavour has hitherto been to try to induce the leading members of that body to sit on the Corporation, but unfortunately